

tataaattat taagcnacac ccatccaaga cacaggttat cgct

464

<210> 6747  
<211> 475  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 6747

tatacgactn ttcaatcagg gctgtcctaa gcataatgcg gttcaagccc ttgctnttag 60  
caccnccaa taaaagttat ttagtattag tattgataaa ttatattaat atcttgtcca 120  
gtgtagtgga aactaggagt gctttttatc tcggtgaatg gggtttgaac cctgtagag 180  
gaaaaaagca ttttattttt tgtatgattc ctaatctttt ctgtattctc tctcacttaa 240  
naaaataatt actcattaat ttcaattaaa taggctgtct cttaatatat caactgtcac 300  
caaatttggc ccataaaaca ttgctagatt ggctatatcc aaactcactc tctttgtgca 360  
tcttcaatac atcggtgaca cacatctaac atatttgta tcaaattact catcacgcat 420  
ctcaatatct catcatcttc cttgtagac aatngacacc agtatttttt aaatt 475

<210> 6748  
<211> 333  
<212> DNA  
<213> Glycine max

<400> 6748

ttaagtcacc tgaggcatgc aagcttctag agaaaactac atgaagctgc ctcgttattt 60  
atgctgcccc gccttggttg accgttgtga tcttcccgaa atttggattg taacttcaaa 120  
agacaattgt acatgatctg accgatggga tccttttgaa aatatatgga gtgtgctaga 180  
gagatccgtt ccctatagca tctattattt aaacattctc tccttagctt tcgtgtaact 240  
taggaaggac atcatttggt cttctttctt tctataaaag ccatagataa agttccaaga 300  
actttctect tctctgacat cctccattat cca 333

<210> 6749  
<211> 288  
<212> DNA  
<213> Glycine max

<400> 6749

agatctagga gagacgtcgc ggaggaaggg tcttgtgctg ccccgagtt tgataaccac 60  
cattttcata tcgctgagca ccagcagcgc ttcgaggcca tcaaaggata gtcattccac 120  
agagagaagc gcgccagct catggaagat gagtatacag atttttacga ggatataact 180  
cgtatacatt ggacgtcact ggttactccc atggctaagt atgaccctga ggtagtcttg 240  
gagtattatg ctaatgcttg gccacagag gagggagtgc gagacatg 288

<210> 6750  
<211> 269  
<212> DNA  
<213> Glycine max

<400> 6750

aagctttaag ttagtgacca aacttccgtg gcttcgtcca agctatctag aaaaaagtgt 60  
attaatagct tctcatcttt agagtgtgcg cccatcttgc gatagtacat cttgagatgg 120  
ttcttgggac aagtcgtacc ttatacttg ttgaagaccg gtactttgaa cttcgggggg 180  
ataacaacat cgggtactaa gcaaagatcc gtcatgtgtg cgaacggata gtaccacat 240  
gcttcacagg ctctcaatct ctctcgag 269

<210> 6751  
<211> 458  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 6751

tgtgcttaga gagagcttag tctcttcttt ggttnttgac tattaaccaa attgattctt 60  
atcaaggaag ctattccttt gtgaagaatc cttctttggc ctatcaattt ttcattgatt 120  
gtggcgctgt tttgttcac tcttcatct tatccatctt ttattgtttt tctgttcttg 180  
tgttctttga aggtcaacaa tgggtgttctt gaatttgcac ccgaaatgat ttgaaccaag 240  
cgttctggct tggattgcat cacatggat cagagcttga atccggagag tagttcgaat 300  
tatatccatc aattaggtgt agtntttagc attttggttn ttcaattttt ccaaaaaata 360  
agaagctaatt tttcgttcga ttcttggttg tttgtgttta attgtatgat tcttgatgt 420  
ttntgagtta atcttgcaag tgcttcgat ttcctatc 458

<210> 6752  
 <211> 464  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6752

agctnggaaa gttaatatgt atgcaactga attatattgt aatataaaat caacgagatg 60  
 gattntaacc cgaaagtaaa aacgattagg aggatcttaa tgtttggagt ttaagatagt 120  
 gatgtgtaac aaattaagtc catgccgtgc ttttttgttt caaggacaga agaaaaaaaa 180  
 attaagctaa tttattaaag aatatgcaat tagtcataac tcanaagcta atatatcggt 240  
 gaaaagaaaa tataattaaa gttccatatt aattgatata attgaaaata tgtgcacaca 300  
 catatatagc gtgtgtacat gtgtcatgca attntagtag ggggaatcaa ttagtagaag 360  
 attagtcaag tttcctcaac caatcatagg tgaaaactgt acaaaactga aattgattgt 420  
 caagaagtta actgcccctt atattacagg tactaatata tcaa 464

<210> 6753  
 <211> 477  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6753

tatgctntag gccaccagc aaanannaaa aatgctatta gtatttataa agtgaaaaag 60  
 tctcatatgt tgataaaaat gacacatgct agtaaaaaga cccaactatt taaagtaaaa 120  
 aatttctttt aaaatttact ttaggcctcg tttatcattg gaccaaccat gatacatgta 180  
 acattgtctt cacatatggt tgttgatgtc attttctttc atggtgggct aaaatttatg 240  
 catcattagc ttatatgcct attttggtt gtttcacata ttgtcatgga attgttgtat 300  
 cacctcatgt aaacttaaga tatatcatta tgaggatttg acaaacaacc tctaaaataa 360  
 caaagtacat gcttaaagt cttcgtattg atgagataat tatatttgct agtgaataag 420  
 tgggaaatga tatatgaggc tgtgtatgca tagtaagata ccttggtatt tcaataa 477

<210> 6754  
 <211> 362  
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6754

agctagagac tntacatgaa cacacacact ccctgatgga gagagagaga aaggaacctg 60  
ctgaggaact ccaagagggg aggcagtgat gtaagagacc tcaaattcgt aggaaacgaa 120  
tggtatccgct gcagaagaga gtgtgaggag caaggagacg ttgattagaa agaagaagaa 180  
gaagaagact gctctagaag aagaagaaga agacattgtg tggaactttt cagggttttcc 240  
tcaaaaaaag aaagggttag agccaagttt ttagtagctt tttctttttc tgtgattcta 300  
cattatcaag ggaattagaa agaaagaact tggtaagggg ttctgtgtgg tagagagaag 360  
ag 362

<210> 6755

<211> 472

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6755

tcttgtcccg attattcatt tattgggttta ttgttntatc atattgcata aactgtaaag 60  
tgtggataaa atgaattttc atttattcctt ttttcattta tcataagaaa tgttggagta 120  
tgagggtaag ctgatattga tatcacactt tgacaaaaac tcttaagact ntggatcagg 180  
gtcgtggaaa ccataaaagc caatgagacc ttngtcttaa gccctcaaga gttttgtttt 240  
ttacattttt aatatttttt tgtcaantta aattattaag tgataagatt tgtaagata 300  
tgaattatta tttgtaatca ttttttcatt aataagacta cataatctta agttatgaat 360  
taatgggttaa atcatttatc taaaatttta actttatttc anaatattaa agaaaaatat 420  
ctcatatcta tcttattcctt aacctctccc ttatctgaaa aaaatctatt aa 472

<210> 6756

<211> 435

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6756

agcttgcatg tcagtccaag gtcaacttca gcttctctga ttttcccgct cngaggagaa 60



tactaattca ttcataattc ttcattaatg atttattcat cgtcctttcg aattgagggt 120  
cgaatttggt tcgtgtgcac aacataagaa atcgcgtggt tccccaattc ttgcattagc 180  
tgtcaaactc aaacgtgttg atgatttaat tgggcgcgct gatggcttga agtaccttgc 240  
tgaactttgc ttgattacca tgtgaagatg gacttgatat gtatattgcg actcaatgag 300  
caccacccat aggacttgag atcgtgcgct tctgtgactt tgtagaagta tatctcattg 360  
aatgcattag gctagggtat tgtgccatgc gtgtgagatg acgaccacac atgtgatgat 420  
atcgcaaaga aatgc 435

<210> 6757  
<211> 517  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 6757

gcccgcggtt tgattgtgac tctctgacat ctgaaactaa gcttataaac tggcactcat 60  
tgcccaggcg gagccccttg ctatctttca ttctaccatg ggtgaatagc ctccagatgc 120  
actacatgga cacgtgtcgt actcatggtg ccgaatagag tgcaaccgac cacgttgagg 180  
atataagctc aagcttgtat actacacccat caggcctgcc atcatctatg atagatatat 240  
tgcacccatc atcagcgtac agttgcccta cactcatgtg cattcttagc tctagcctct 300  
ntaccaaga tctcgagcaa ctttatcaac aatactatcc gctacttcac agcttgaggc 360  
tcgatactat gcaaagttcc cgtgatcggc agatggacga gtgactccac atcatatcat 420  
gtgatcgtgg cttgcacatc tgaacgtgga agctgtaggt ttaactgtgc acacttacac 480  
atcttcagat ataatgccca gatcgtcogt tacgacn 517

<210> 6758  
<211> 456  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 6758

agctagacac agaagaaaat gaaacacttc atcttgtttg ggatctaaaa ataccgcaa 60  
aggtggcaac ttttcatgtg gagattgatc ctaaataagggt tgccatcgcg agataaactt 120

cttcagcaca acatcatcac taatgtaact gatgtttgtt ggagcaaaat aggagaaaca 180  
 agaaacacaa aatcaatct aaacacatga actcgtgaga gagaaagatt ggaggggaaat 240  
 tcttttttatt ctattgtatg tattctgtta cacataatga tatgtctata tatagactaa 300  
 ctcaactaac taaccaccat aattactaac aaactagtaa ctgggtttttg aattatcctt 360  
 aacaccctcc tttgattcan aaacagtga tcaacaacaa gaacattaca acaacattta 420  
 ctgaacaaaa cttcttaatc cttcaaactc tgaact 456

<210> 6759  
 <211> 487  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6759

ngcttatctc ttcaggatgc tcaacacagt actgcatgtg ctcttcaac ttagacctac 60  
 aacaagcaaa tagacaagag catataaatc ttctcacaaa tcacaacaaa ttcagcatta 120  
 gcaagttcac atgtcacaaa ttcaataccc gaattccttg ttcaggctgt tcgcagccac 180  
 ggttgctgcc tttccgccgc cgtatttggc cacaaagtca tccttcacac gctccagaaa 240  
 agccacaggc acctgtctcc caatcgattc atccgcaaca acacaataag ctacaaaaaa 300  
 caagtgtgtg agtcagacat tcatttccaa aaacacagca ccgaacttca gataagccta 360  
 taaacaaata ataacaacac gaatttcatt tcagttcatt ttcaaacaca tcaccgaact 420  
 tcanaatagc ctctaaacag atcagaacaa caggaattc atttcatttt caacacaaca 480  
 ccgaact 487

<210> 6760  
 <211> 468  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6760

agctnggaga ggatgcttca acggaggana agattgatgg ttataaagag agagggggag 60  
 caggaattg aaggaagata aaggagaga agttgaactt tgagttgtgt ctacaagac 120  
 tctcattcat caaagtttca acaagtgtta cacatgcttc tatttataga ctaggtagct 180

tccttgagaa gctttcttga gaaaacttcc ttgagaagct tctttgagaa aacttccttg 240  
 agaagctaga gcttagctac atacaccctc ctcataacta agctcacctc cttgagaagc 300  
 ttccttaaga agattcctaa agaagctaga gcttagctac acatacctct ctaatagcta 360  
 agctcacctc cttgagatga gaagctagaa cttagctaca caccgctat aatagctaag 420  
 ctcacctca tgacaaaaaa catgaaaata caaaataaaa ttccttac 468

<210> 6761  
 <211> 451  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6761

ntgagaagtg aanatgagaa tggngtaa at ctggagcaaa ctctcacctc acacaagtct 60  
 ataaccttaa tctaaacttg ctcaaactgc caccgaatca aaatttgact cctcaacacc 120  
 caatttacc tagaaatggc tcttgtcttc actttgggtca ctcatcttcc tcctttgcac 180  
 aaccaagct ttctcacagt cctaaatgac atttcaaact angaatacct tactctaaac 240  
 ctcattacca ctaaatacaga ttggctttca aatcctaaag catacacttt ccaactcatat 300  
 cactacattc tacttttaac cctaggtaac tctaccctca tctttatagt ttccatagcc 360  
 atttagcaca caagcatcat ataaaaaccc taaacagaat ggtaagctng actcnaccaa 420  
 acatgacaca ttagcatgct ntcataaatt c 451

<210> 6762  
 <211> 462  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6762

agctntgagc aaattcaaac gatgataact nttactctct gatgtcggat tgagtcccg 60  
 aatatatcga gacgctcgac attgataata aaaactctgt gaaaattcaa acaacgataa 120  
 ctttttactc agatgtccga ttgtgttccg taatatatcg agatgctcga aattgaaaat 180  
 ggaagctcgt agcaaatgca aaccacaata actttttact cggatgtcca attgtgtccc 240  
 gtaatatatc gagatgctca aaattgaata caaaagctct gagcaaattc aaacgataat 300

aacttttttac tcgaatgtcc gattgcgctc cgaagtatat cgagacgctc aaaattcaga 360  
ataaatgttc tgacaaaaat ctaacgacaa taacttttta ctcggaatgtc tgaatgaatc 420  
ccgtaatata tcgagacact cgtaatctaa aactaaagct ct 462

<210> 6763  
<211> 375  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 6763

tattgtcggt nngaattgct tagaccttat gttntcaatt tctagcgctt cgatatagta 60  
cgggacacaa tcggacatcc gagtaaaaag gtatagtttt ttgaatttac tgagagcttc 120  
agttttcaat ttcgagtgtc tcgatatatt acaggactca atcagacatt cgagttaaaa 180  
gttatgggcc gttgaatatg ctacgagctt ctgttttcaa ttgcgagcgt ctagatatac 240  
taaggcacac aatcgatcat ccgagaaaaa agttaatgtc gtttgaattt gctcagagct 300  
tcggttctca attttgagcg tctcgatatc ctacgggact caatcggaca tccgagtcaa 360  
aagttattat gggtt 375

<210> 6764  
<211> 394  
<212> DNA  
<213> Glycine max

<400> 6764

agcttcttct actcctgtat tagattatgt ttttactcta tagatgtttc actctatgat 60  
gcagagcctc cacagagggtc atgttaatat catgccgagt cttcagagct gaggcctgcc 120  
atattattatg agcacagatg agttcctgac tcaggtgggt tggccagtag accagccttc 180  
tccttctgga ggggggtggga tctccgtaac ccaagagcct gagcaggcaa cagaaaagcc 240  
agttatagca taggatgagc tcaactcctct ttagccctct ttaattgctg cagatacatc 300  
tatggctcac gaagaggaat cttcacaata tcccatgccg gagccatacc ctccaacca 360  
ttcttcatga tgcaccagct actccagcgc tgga 394

<210> 6765

<211> 394  
 <212> DNA  
 <213> Glycine max

<400> 6765

tcttatccaa ggctcatcta ggtggagaag ctctttcttc catggcttat tccttaatgg 60  
 atggcgcccta ctctcacctc ttttcctttg ttttccgctg catctccatg gtggaaaatc 120  
 accattaaag gacaccattg aagctcaaag atccagcctc catagaagcc ccacaagcaa 180  
 gcttccatca agtggtaatc agagcacaag agcttcaagt tgggtgctcct taaacctcca 240  
 ttaattctat gtgctttacc ttctcttcca ttatagtttc ttcattgttc tccatgtatc 300  
 tcttcacatg tcttgtgcta aatgttggtta acatgattat ttagagtttc caccgattaa 360  
 acttgctata aaagctagat ttgatgttca atgg 394

<210> 6766  
 <211> 453  
 <212> DNA  
 <213> Glycine max

<400> 6766

agcttccaaa catccaagta attcaacatt cttatagcac atactatcac agccaagaga 60  
 acagggcaaa ggcagaaaac tctgccccaa acaccaacca aaatcacagc ttttctcact 120  
 taaagacccc aataataatt cctttgttcc agttcggtta cgttggatc gactcgcaaa 180  
 ttttactgga agtctctagt acataagcct acattttgac cgttgggatc tgctagcaaa 240  
 cattcagaac tcattctgca ctaccctttc cacaggcaac cacacacaag catttttctg 300  
 cacaaagcca aaatcctgct gcacctatct gacagcaaaa ttctgcataa gtgcagattt 360  
 cgaaaatcac acttcccctc atgcatctt gcccaaatca attcctacaa gtcccaaadc 420  
 atgtatcaat catgtttaac ccaaagtcaa gct 453

<210> 6767  
 <211> 451  
 <212> DNA  
 <213> Glycine max

<400> 6767

ctaagcttct ccaagtgggc ttccgcatca cattcaaact tgatccgttg ttgattagta 60

cctttgcgac aacatgggtcc atacatctca ccgacacatg taaagccttg ttgtgtcctc 120  
 tcccccaaac gggaatctct tcttccgaga acgcaataaa attattggtg gttatatgat 180  
 taacgattcc ttcaaaaccc tccactaaga tatcatgggc tacatgggcc tcgttgagga 240  
 cctttattaa tagcgcacga tgaggctcag agtttatgag tagttcaagc aatgagatcc 300  
 ttgctggagt ttattcagt tgctcgacta ccttaaactc gcttttttgg atgaggcgaa 360  
 ggaactcatg agcttcttcc aaagccacta tctttccttg gagaccctct ttcttttcag 420  
 tcccttctac taccggagga atcacttctt t 451

<210> 6768  
 <211> 479  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6768

gtcacctgct gcatgcaagc tttagactaa aggatatcat gaatatttct atagttagag 60  
 atgagattag gtcaggtcag accacgctag gctttatgta aataggccta gattgtttta 120  
 taaaacaaag acctaagctt gacctattat ctattagagg cttttttctt tgtctagcct 180  
 aaccttttta aaagtctagt atgacctatt agcttattta aaagctcatt ttatattctt 240  
 tccaaagtaa aactcacacc acatattagt ttttcagcaa ataagaaact aacaatcaac 300  
 aacatatttg catatttgat ccattgatca cgtctttcaa ttggataaaa ttatctatgc 360  
 atacatgcta tgttcnnttt tagtattttg attcttcac tattaattaa gtttatgtcc 420  
 agatcaaaaa gaagagaaat aaaacaacat ttattccaga aacttaacct gcaataata 479

<210> 6769  
 <211> 459  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6769

ngtcagatat tcctttctcaa ctactacact tctctcaata taatacgtag atgtgtaatg 60  
 ttagtagagc tggatgctga tcaaataact aaaataaaca aaaagtttca aaagctggaa 120  
 gatgtatgtc ctgccatgga aaaaaaatta ctaagtgact aaagttcttc taagcagtga 180



attgttaacc cagttc

436

<210> 6772  
<211> 408  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 6772

agcttaatnt cagccttcat tacatccctc caacattgtn tttgaagggc tttctgataa 60  
cttaaaggct caatgtcagc agataaagac attaaataat gattatgcga attagaaata 120  
gaagaataag acataacaaa atgtaatgga tacaagcaat ttgatgaagt ttgagtaata 180  
agattgtagt aacagtcaac gaggttgata ggggggtttat cgattcaaatt ggagcgacgt 240  
ggagggacaa gttgaggtag ggctctatct aagggtgggt aagaaaatga atcagaatta 300  
ggatgaggca aagtgtcatt nttataaatc gagggtgagg gcgatttga tgaggatgca 360  
caagtgtgac ttatacgaag gcaaattggg ctgctatnt atggattc 408

<210> 6773  
<211> 473  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 6773

tattaatata tgattaatat aattaannaa tatttgtaaa attagctgat aaattagttt 60  
ataaatgtta atagcataaa aatacatatt taattattta attatatatg tatgtattta 120  
atgtgtttcc aataacgtgt catcataaaa actagggcaa tatttttttt aaaaaaatt 180  
gtattataaa actataaaat gtttgagttg tataaagcat taattttcta ctaatttttc 240  
tcttttttga acccaatttt tttttttgat atttttgtaa aagttaggga gctacatact 300  
nttaattgta tttccttctt aacatggcat tccttcttaa cgtgaattat ctttatataa 360  
atggcttntt tttttcattg actgaaaant ttaaagatcc gagtgcacaa atgacatata 420  
tgatagtaag ttactgagct tttgttaaatt ttatacctga atntcatact taa 473

<210> 6774  
<211> 189



<212> DNA  
<213> Glycine max

<400> 6774

cgcggcagtg cagcgtttaa ttatactcgc cgagcttgat tggtatgtat gacagagtta 60  
agcctatgac agatattaag tccaactcac gcctgatgtg ttcaactcaa ttcaagtttg 120  
ggtcactcat ttctcccct cgtgaatgcc cacactgaca agcttgactc ctttcgcat 180  
ttgatgcat 189

<210> 6775

<211> 422

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6775

tcgaaccggt tagtgacgta taccttactg ttcataacgc ttgatacacg aatgttgacg 60  
gagatgggcg ccacttccag agatggaaga taagtcacgg tgacgccaca aggaatcaac 120  
cttgataagt cagaatttgg ttcaacagaa accctgagag aagctttctc acgtatttga 180  
aaagaatgtc aaaagtctct ttcattcatt ctgaagaaaa tatatatagt tcaccaaacc 240  
ctaaaaacaa aataaattgg tgcaactaan aaggcatagg tttcagccac aaccaccaat 300  
tttatgtatt taattgcaaa gattaaataa taaaatagag ataaaaatta tggaaaacat 360  
gggccttcaa tcatcatcaa tggcagatat acaaatgacc agtcttcgct ctattgacgt 420  
gt 422

<210> 6776

<211> 426

<212> DNA

<213> Glycine max

<400> 6776

agcttgtgca aatcaagtca ctcccgcat tttatcttag catgcattgt atgttggctc 60  
cgtcctttgt cacgggaagc cggaaggctc atatcacctt cttaattgta cacatggggc 120  
actgcgcccc caaatgcaca agtaagaaga gataattttc cgggctctcg tgtccgtaaa 180  
atgcattcat atcatgcacc acataagcat ctcttcataa catcataatg gacatatcct 240

gcatttgctc gttatcatat tccagcctca cattttgcat gagtcatggc atcatcatgc 300  
 atatgcgttc aacaaacttt gtgatctgca aaattgcata ccatttggtta tcatgtttgc 360  
 tcatccttgc ggtttcctct acaaaaacaaa aacaaaaaag ggggaagcgt gagacttcac 420  
 actaca 426

<210> 6777  
 <211> 336  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6777

agcctcaaag aggtccagga aggacaaggc agccgaagga actagtcccg ctccggagta 60  
 tgatagtcac cgcttttagga gtgctgtaca ccagcagcgc ttcgaggcca tcaagggatg 120  
 gtcgtttctc cgggagcgac gcgtccagct cagggacgac gagtatactg atttccagga 180  
 ggaaataggg cgccggcggt gggcatcact ggttactccc atggccaagt ttgatccaga 240  
 aatagtactt gagttttatg ccaatgcttg gccaacagag gaaggcgtgc gtgacatgag 300  
 atcctngta aggggtcagt ggatcccggt tgatgc 336

<210> 6778  
 <211> 457  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6778

agcttgtaga atgggttagac atgatacatg tcatggcttg gtttggttca aggataaaaag 60  
 ggatgcccc aattatttcc atgacacaaa tgcaaaaaag atgatttga aactttatgc 120  
 aaaactggtc atgcatgcgc ctatgcagac gctcaagtgt caaattttta tggtcagggtg 180  
 atgctagggt tcaggattca tttcctctat tttaaataca ccaatgttt ccaaatatg 240  
 ttcttttatc aatttgtgca ttcctccaag tccatttcgg gcgtccgggg aaattttcac 300  
 agcattcacc cttcagggtg agacacgttt tttcttcaa aatctgttat gatcaatgaa 360  
 tttnttttca aagaaaagggt ggaaatcatc tcttttcaa agcatgtcng gtttttagcta 420  
 gacaacttat tntctctttt tccaccttta tccttac 457

<210> 6779  
 <211> 489  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6779

ntatcaaagt gatgttaaaa gtgctnttct aaatggctta attcaagaag atgtatatgt 60  
 agaataaccc ccaggttttg aaaactcaga caagcctaata catgtttata aattgaaaaa 120  
 ggctctatat ggattgaaac atgccccaaag ggcttggtat gagcgtctga gtaagttttt 180  
 gttagataaa aacttttcta gaggtaaagt ggataccact ctttttataa agagaaaatt 240  
 aaatgatatt ctactagttc aaatatatgt tgatgatatt atttttggat ccactaatga 300  
 ttcactatgc aaggaattct ctcatgacat gcaaagtgag tttgaaatgt ctatgatggg 360  
 agaactcaac ttctttcttg gattacaaat aaagcanacc aaagaaggaa tctttgtcaa 420  
 tcaatcgaaa tactggaang gaataattca aagatttgga atgcaaagtg ctaagcacat 480  
 ggctacacn 489

<210> 6780  
 <211> 358  
 <212> DNA  
 <213> Glycine max

<400> 6780

agcttcaagt tgcttgcata gcaactagtt atattcctac aaagcgtcct gtgatgaaag 60  
 atccaatagg cttcttttgg atgggatgtg tgctctatca cgcaagattg catggtcact 120  
 agcagccgga ttctcaatta atcccatggc ttcttcaggg gtcttaaatt ctatttcttt 180  
 ccctgcagaa gcatctaata gctgcttggc ttgaggccgt aaccctgaa tgaaaatact 240  
 gagtcggata ggttctgaga atccatgagt aggcgtgttt cttagtaacc cacgaaatct 300  
 ttccaacacc ctactcaag gactcgtctg gaaattgatg aaaggatgag atgacagc 358

<210> 6781  
 <211> 364  
 <212> DNA  
 <213> Glycine max

<400> 6781

tcctagacat aagaatgcmc atcacgtaac aactttcttct gatgatgcc aataaggcca 60  
tgagggataa tctcagctac cttgaagtta gcagatggct aagtaaaactc tctgttttagg 120  
tggttagcaaa gctcatatgt gcatcattta ggactttact ggcatagtaa atagagcgaa 180  
gcatcttata cgctctgtc ctagcactgc accaacaacg tagtcactag caccacacat 240  
catttcagac tctaggctgc aatttggggc cacaatcact ggagctgaca ccagcctccc 300  
tttcatgggtg tgaaatgcta gcatacatte ttcacgcac ttatacacag catctttgtt 360  
cgat 364

<210> 6782  
<211> 468  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 6782

agctnnttga aaagactcat cccttcaaac cattttgaaa aggaacaaaag ggcttatata 60  
tatgtgtgtc taacttcgaa aagaaagaga gagatattct aagagaaatt aattgccaaa 120  
tgctctctca acaactcttg ggaaaacact tgcaaattcta ttgagaattc atccaagaac 180  
ttcaaattgt attatcatct ctaaaagaga gaaattcctt taggaacttc aatttgtatc 240  
gtccactcta aaggagagaa atctttctgt tcatctcaga aagtcatttg tagtcaagag 300  
actggttgtc tcttggttg tgagaattgt aatcaagaga cgggttggtat cttggagaat 360  
ctttgaacac aagggtgagg gatcccaagg tatgttcaaa gtctgtaaag gatttacaga 420  
gatagtagaa aatctcaagt aggttgcttg agaactggac gtagacat 468

<210> 6783  
<211> 419  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 6783

tctcccaaaa aatgggtgtcgc tcagcaaatg ggaggatatt cactagaact cttgttcttc 60  
cctaccaaga agctntggaa gcaatctttt attgttgctt ccctcatcat tctgtcaag 120  
ccttcaaaa ccaagtcaaa caatagaggg gccaaaggat ccccttngtc tcaaattctt 180

tgaggcttaa attcagaggt tgagcttcca ttcactagaa tagatataga ggctgatgtg 240  
 aggcacccct taatccatcc aatccatctg tcatggaacc tcattcttct catcatatga 300  
 naaaggaatt gccaagacac taaatcatag gctntttcga aatccacttt aaacaccatg 360  
 caggacctca tagacctcct angcctctca agtacctcat tagcaaccan aacaccatg 419

<210> 6784  
 <211> 449  
 <212> DNA  
 <213> Glycine max

<400> 6784

cagcataact gtagtgaatt ttatgtcgta tggaaccaag tgttgggagg cggaacaaaa 60  
 gaataacctg aatttcactg tggatcatcac tttgaaggat tatgttgata acagcattaa 120  
 aagagacatc atatattgct ttcactacat catcaggggc attctgtata aagcaacaac 180  
 atactgagat gagaaaacca taaagataaa aaaatgtgct cagaggtcaa agatgacatg 240  
 tttccaagta taattgcctt caataacatt gttaccaaatt ctaatgatcc agctacaaaa 300  
 ccatcagcct gctcttgggg ctataagaac atctacagaa gtgtataagc aacaaaatta 360  
 ttctaaaata actaaccaga cactgtaata actcgaataa gtcatacttt attcaaaaatt 420  
 gttccaatat atggcaaaat tctagaaac 449

<210> 6785  
 <211> 294  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6785

ggtacgaatg taagagacat cttctacgac cttggtgatc cttgactcta tctcattgaa 60  
 tcgcatgtcc actcgtaact ccaaagtatc aaacctttca ccaacaaagg tttgaagacc 120  
 atcgaacctg tccaaaatct tttgaagaag agaggaatct tctccaccat gtaaagtgtcc 180  
 ttcttcatca atgggatgag cacccttttt caccgaagag ccatcatgct ctttacngta 240  
 accaaacgat gcaatcacat cagcgcctat tagaaagatc tcttgatgga acat 294

<210> 6786

<211> 326  
 <212> DNA  
 <213> Glycine max

<400> 6786

actcagctga cacctgtgca gtgagcctgc atgtggaccc tcaccttttg tttatgtagg 60  
 tcacgaacga ttggacatca atccctttga atgtaatcat acatgacgtc acctattgac 120  
 attagtctgc tatcttgatg aaaacaatgt cgtggtgaga accgacattg ctagattgct 180  
 aagctaccaa tctaccatct cctattagct catgaatgga ttgacctata agaaccaata 240  
 tcttgatctc ttccggttaca gaagagctag ctgaaggccg agacacgatt gccgttgat 300  
 aggagacttc accattgtga atatat 326

<210> 6787  
 <211> 464  
 <212> DNA  
 <213> Glycine max

<400> 6787

agtcacctgc tgcattgcaag ctaatacact tgacagtagt cctaagacaa ctcttttgag 60  
 cttattgtat gcacctcaga atgcatgcac acatctactt ttcaaagatg tttaaactat 120  
 aagagtctat atgcaatgct gatcatgcct caaattatgc catccttaca acatgcattg 180  
 ctaatggttt ggcataacta agactaagga tgtatactct acacatgtct caactctcaa 240  
 gttgtcgcac cattaaattc tatcaacatt aatcttctaa tgagcccttt atgtgcgtgg 300  
 ctacacattg aagaagcgat gacgccaatt gcagtcttac aatgaacca ctttgtatgt 360  
 ggatgcataa ggaagacaag atgttagaca ctgcaccatt ctaatgttgc taactcaaag 420  
 ttccagaaga accaactatg tttgtcactg catatcgaac acat 464

<210> 6788  
 <211> 187  
 <212> DNA  
 <213> Glycine max

<400> 6788

acaaaccatc attgttctcc attgaaaacc cacactgaga ggaacccttc aaccaaagcg 60  
 gaatcttcca acttggctgg cggtttcggt agagaaggaa aacactaatc tgacctttcg 120

ttatcttcga gaggtctctg tggaatcgaa gagcaaggac aagaaggaat cttcaagtga 180  
cacgacg 187

<210> 6789  
<211> 454  
<212> DNA  
<213> Glycine max

<400> 6789

agcttcatgc tgaagtatgt atgacaaaac tttattactg ttattcaaca catacaagtg 60  
agcttgtaac aaatcttcta cacttggagt gataacatgc agtccttttg aacccttacc 120  
gccactctg tcgtcatggc gagactcagg aaggccaata ggtttagcct tttcaatgta 180  
ctctgaataa aattcaatgg cttcttctgc aatgtacctt tcaacaatag atgcttccag 240  
acgatgtaga ttcttggat acccttttaa gatcttcatg tattgctcaa ccaggtagat 300  
ctaacgcaaa taaataggac cacaacattt aatttctctg acctgatgaa caattaagtg 360  
aatcatgggtg tcaaagaaag taggaggaaa atacatctcc agttgacaca gtataattgt 420  
ggcctcattt tccaggccat caaacttgac agga 454

<210> 6790  
<211> 469  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 6790

tgaagaggat gctntaatgg aggataagaa agagagaatg ggtgatcacg aaattgaagg 60  
aataaaagag ggagagaagt ggaactttga agtgtatctc ataagactnt cattcatcaa 120  
aggtacaaca agtgttacac atgcttctat ttatagacta tgtagcttcc ttgagaagct 180  
ttcttaagaa aacttccttg agaagcttct ttgagaaaac ttccttgaga agctagagct 240  
tagctacaca caccctctta ataactatgc tcacctcctt gagaagcttc cttgaaaaga 300  
ttcctaaaga agctagagct tagctacaca cacctctcta atatctaagc ttaccttctt 360  
gagatgagaa gctagaactt agctacacgc ncnctataat agctaagctc accccatgac 420  
aaaatacatg aaaatacaaa naagtcctt actacaaaga cgtactcaa 469

<210> 6791  
 <211> 445  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6791

agcttcatgt cttcattcat tgtcgntggt ttttatcttt tataaggaca tggttgtaga 60  
 gaccacatt gttgttggtg gacttattta tccatcttgg tgtgggagta gagaccaca 120  
 ttgttcttgt ctacactcaa ctgcaccac agggtttgtg gctagtcttt ggacttattt 180  
 taatgatgcc ataaatatat cactgccaac tgggtttaat tctattaaaa gcaccttagg 240  
 ttgtatacac atatgcacct atcaacccta gccaacccag gttaatcata aaatgtatgt 300  
 tagagtgtga ggattctcta tgctatagta cctttgatag atcaatgtag tataagcacc 360  
 tttctcacat gaatggatgc gtagtatatg cattctaata accacaatga agatgatttg 420  
 tgggtatgat attctagcaa agaca 445

<210> 6792  
 <211> 435  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6792

tataacanaa tntaatccnc ataacacana tgggtcttata tattttctaaa aatgagaaat 60  
 tgatttccag cagctcataa cctttgtaag gtagaaaata cctttgtgtg ttttttactt 120  
 ttaatattat gcatcatgat gatgaagtcc ctacattata tgcacttatc atatattttt 180  
 tgtatcattc tgattttcaa tcaatttcac tctattagtt ttcttaattc tggttgttct 240  
 cttgggcaca taaaccagga aaaaaaaagc tagtaataag atattgaaat tcanaaacia 300  
 ctacatatgg gtggaagtct gtgaaattca aggacttgca cgccttggtta gagtttattt 360  
 cactttgaat anttgnccga gtgggttagtt tgggggttga tcttgggtcca tgtttgtgga 420  
 gtcattattgt ggggc 435

<210> 6793  
 <211> 433  
 <212> DNA  
 <213> Glycine max



<223> unsure at all n locations  
 <400> 6793

cttaagtcac ctgaggcatg caagcnttga gccaaaatcc tgactcacca tatactcttg 60  
 ttccanggtg agaagtgtcaa tccttaccct cggaagcaaa atagaataga agggaaattt 120  
 ccaatcaaag aaaagagaag gaaaatttcc aatgaaagag gaaaaagaaa agaattggaaa 180  
 ttcccaatca aagagtggga gaaggaaaaa agaaaaggaa gacaattccc aaccaaaagaa 240  
 tgggagaaag taaaaaagga aggaagctcc tgggtcaaaga aaccacaaga aatgtgcaga 300  
 gaggtctttg gaccacacga tatctgaaca gtacagaatt gtcactaaat gaacaaaaag 360  
 gaaggaaagg aaaccacgac ctagaatggt cttctccctt taattaccaa ccaaaatccc 420  
 gtgcgctagc gac 433

<210> 6794  
 <211> 381  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6794

tcaaaggtcg agatgttaga caagtggcct cagatatctt attattaggg ggttgaatta 60  
 agatattcca aactacttcc ccaattaaaa atctatttca ctttcttttt aagttataaa 120  
 ttcccttaac aatgaacttc ttaaataatta attcaaataa aaaaattgag tatgaatata 180  
 aagcaataat aaacaaagga gattaacgga agagaaagtg caaactcaga attatacttg 240  
 gtccgccaca cccttgtgcc tacgtncagt cctcagcaac ccgcttgaga gttcactatc 300  
 ttgtagatcc ttttacaagt tctaacacac aaggacaatc ctntctttgt gttagaattc 360  
 cttacaacaa gagaccacag t 381

<210> 6795  
 <211> 363  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6795

gtcacctgag gcatgcaagc tatagactgg acaagatgct cacatttttg ttgtatttta 60

aagcacaatc tcaatacatc gaggaacaat cttttgaata tctgtgaaca atgagaggga 120  
gagacaacac atcactgata cacagtggaa tacgtttcta accaataata agccaaatac 180  
gcatacatc aaccaaatta tattgattac acgaatacat cctttgcaaa tgaatccaca 240  
actatcatat atataaccct cccaaaccaa gaatagaatn gcagctccgc cacatggacg 300  
gctgaaaaag gccaaacttg atcatgaaaa gggctctact gtattagtca tttgagatag 360  
agc 363

<210> 6796  
<211> 357  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 6796

tttatttatt tatttatttt gctaactaga ctttctccta taatgagttc ggtctctgaa 60  
atactaataa taatacatc tttaatattc cgtttttttt ttaccactc tcttgtaaa 120  
agaaaatttg ttcgggcttc attaaatatg agaatctcat tattctatat gtattcgcg 180  
agtcttattt ctaaaatggg ggaattaatt cacataaath tcaagagagt tggtaacatta 240  
aatgtaacgg agtttgtggg gtgattcggg tcgattttca cataaatagt atttgaatta 300  
aacataaaat aaatatgcga tttaatgtga tttgatacgt ttaaatacac actaaat 357

<210> 6797  
<211> 321  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 6797

agctntataa gcgcgggtct gggagtagct atgttttgtg gtcgcgatat actaagataa 60  
tggtccgagt acattgtatt tggtagcacc ttgcccttct gattttcagc tggggaattg 120  
gccagtggag gaacgcccct acatttacac agcgagcata atgtacacct ttacggtttt 180  
ataaagctat atagttgggc ctaggcttta gagttcttct cttgggtaat gcttggcgta 240  
tcttgatttt aaaaatataa tacaaggagg tttattgata tggttcctacg cctctactca 300  
ttctcatcca tttgcgagtg a 321

<210> 6798  
 <211> 477  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 6798

ctaacacttg cctcaaatga tccacatgaa ccatctcatc tttgctatag attagaatgt 60  
 catcaaaaaa taccaaggca aattgcctaa ggaatggcct caatacgtca ttcataaagc 120  
 cttgaaaagt tgatggagca ttggtaagac caaaatgcat gaccacaaac tcataatgcc 180  
 ccttatgagt cctaaaggct gttttctcaa tatctgaatc tttcattctg attaggtgat 240  
 atccagcctt cataatcaat ttagtgaaga tagtagctcc accaattnca tccaaaggct 300  
 cctctattat tggaattgga aaattattac gtatggntat cttgtttaaa gctcgataat 360  
 ccacacaaaa tctccagccc ccatctttct ttctgactta gataatangg ctagaataag 420  
 gacttatgct angccttatg acccctaatt ncatcatntc cctaaccatc ctttcat 477

<210> 6799  
 <211> 462  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 6799

agctntgcgg atttgggtctt cgccagtgat ttgatcgatg tgggtccgaa aagaggcaaa 60  
 tttgatcatc ctactaggac gactgagaaa actggggcaa atgaagaggg tgagaaagag 120  
 ggagaaacct atgctgtgac tgccattcct atacggccaa gtttcccacc aaccaacaa 180  
 tgtcattact cagccaataa caaacctcct ccttaccac caccagtta tccacaaagg 240  
 ccatccctaa atcaaccaca aagtctgtct accgcacttc caatgacgaa gaccaccttt 300  
 agcacaaacc aaaaaaaaaa aaacaccaac aaaaaggaat tttgcagcaa aaagcctgta 360  
 gggttcacc caaattccgt gtcatatgct aaacttgatc ccatactac ttgataattc 420  
 aatggtagcc ataaccctag ccaagggttca tcaacctcca tt 462

<210> 6800  
 <211> 436  
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6800

taatggatga aggggtaatt ggtgtatgtg ttgcctaatac atatattgac agccctaagt 60  
tgggttttcgc ttagtaaaatt aaaatagggg tggattaagt ggttaactgt tagggacgaa 120  
ttctccataa cctangacaa gagagtggct tctgaataag aggaaacaac ccatttttaa 180  
tactattaat tttgtattct agtttgcttg ttctttattt cacaaaacaa acaaccccc 240  
cctaategta ctattaatgc aagtatatta tgaacatttg gttatcattg ctcggtggga 300  
aacgacctan gatcacttcc tagttattgg catttcatgt ttattngatt cgggttnggt 360  
ctcaatcaca tattcaacta tttttgctac ctaaattaac acataaatga acanggcatt 420  
tttctaccta aataac 436

<210> 6801

<211> 465

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6801

agcttgtcca taagctctnt ntcatagtag gatgtaatgt gtattttcct aagggcactc 60  
ttaagatcat tccaatactc aactggagga tccccatgaa tccttcgttc cctaacaagg 120  
gaagtccacc aatagagggc atacccttga aagctaaggg tagccaatgg aacttttctc 180  
tcttcgctaa tatgatagca agaaaagagt tgttcaacct tcatttccca atctaagtag 240  
gcctcaacat tatcttttcc atggaaatat gggaggctaa cgtaaacctc ttgatgcctt 300  
ctatcctttt cttttcttta ggagtgatgt ttagtatgtg aactatggcg ccctctataa 360  
tagttgctaa gttcttcaact taaatcttgc aagagtcatg actactatag gaggcattgt 420  
nttctctttt catttctttc attattnttc ttctttcttc ctctc 465

<210> 6802

<211> 376

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6802

ngagtgaagt taagcattct aaacaataac aaaaaatagt gcttaattgg tttgtacata 60  
 tacattatct ttaacattgc catgtagctt gcacaagata tatgaatcca ctttagttat 120  
 tttatagact taaagtttaa tgtctaagct attgaactta attaaccttg ttccattact 180  
 ttctttctaca atttataaga ataattaaat taagacatgt taaaaacggc attggataat 240  
 gatgtcttgc aaggggcacc tanactgaga agacagggag ggccaatcac aaaaaataaa 300  
 cacatccaat annatTTTTG ctgaataata cattcaaca aatataccat tatttttata 360  
 caaaatatta taattg 376

<210> 6803  
 <211> 408  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6803

agcnttgtgt aatcgattac acatatttgg taatcgttta ccagtgttng tttctgaaaa 60  
 atctaaagat gtaactcttc aaaaagggtt tgactcttcc aaatggggtt taagcttttc 120  
 taaaagatat aactcttctg aatggcttcc ttgaccagac atgaagagtc tataaaagca 180  
 aggctttgtt ttgaattttg aatcaattat tccaagtctt tctaacaatc tcttacaatc 240  
 ctttactagc cttgaatctc tttaaacttc ttcttcttcc ttgtaccaa agttttctga 300  
 agttttctgg ttttctaaac cttgaaaact tgtgctattc atccttttca ttctcttctc 360  
 cctttgccag aaagaattca ccaaggacta atcgcttgaa ttcttttt 408

<210> 6804  
 <211> 262  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6804

tatgcacata tttccttacg aacgttcact tgcacaagac attctattat ctaagaaaaa 60  
 tgcaccata tacaatcaag gcagcttcgt tacctagatt atttacatgt acttccaagg 120  
 tgtatttgtt acttacatca cacacatctc cttggctaaa ttacatata tgcataactca 180  
 aagcattttg gggtagcaaa aattgcacat gtgcacatct tggatattct aataacctata 240

catacacana cttcatgatg aa

262

<210> 6805  
<211> 425  
<212> DNA  
<213> Glycine max  
  
<400> 6805

agctagcctg tccaatgcag cagtaatgat ggtccgagtt atgttgagga acggctacaa 60  
accagaatg ggtttatgca aagacaacga cgtgataact agcctgatat atgccaaagg 120  
aaatcgaggg aagtatggtt gatgctataa acccactcat gcagatataa agagaagcat 180  
cacgggaagg aagagcgggtg gtcaaagctc gcgggtgaga caagaaagtg aaggagagccc 240  
gccctggcac ataagtagaa gctttataag cgcaggctctg ggacacgaag gtcaagtggc 300  
cgccatatac gaagatgatg ttccgagtag atcggatttg gtacgggtcat gccctcctga 360  
tttctagctg ggaaactggc gagcggagga acgccccggc atttacgcaa cgagcataat 420  
gtaaa 425

<210> 6806  
<211> 463  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 6806

taagctcgat gattacatct ccacctttct caagcaaatt cttcttgata tcatcataat 60  
cttcatgatt tacattctcc ccctttatga tgatgacaac cacctgtagg ttaggagcaa 120  
cagcaaagaa aatatctatt tgcataatagt ttactcccc cttgggttta cattgattgc 180  
ttatatgaga caaatgaaga tttcatagtt ttcatatata ataaagttgt ctcataaaac 240  
aatagataac ttcttcttac tagtnaatct tatactcttc tctcccgctt tgtcaacatc 300  
ataaacaat catgaataga gaggagagag atgttaccac ttgttgcaat gtatgagaat 360  
caagtgatac caaaaggcat tataaacaat cattcaatat taatcaagca aaaacacgta 420  
caataacaca tcagtcatac acaatcaa atcaatcaatc atc 463

<210> 6807

<211> 389  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6807

aaaatcatgg ctaagagaaa aatagtgtag aacgaatcat ttctttccct caagcagaca 60  
 atgttggaca agtggctcta ataacttaag agaggggtgaa ttatgttaaa atttcttggt 120  
 taattgactt ctaaactctc ttttaaactct atatgttaag actattgaag atgatgataa 180  
 agatgatagt tatatcaaca taatacttca agtgtgcaag ataaataaaa tatgcacgat 240  
 aaagtaatca agatagggaa gagaggaatg caaactcagt ctatccatct tggttcagtc 300  
 acttctgtg cctacgttca gtcctcaagc aaccacttg agaatttcac taactttgta 360  
 aaaatccttt ntagaacttc tgaacaccg 389

<210> 6808  
 <211> 447  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6808

ctgatatgga tattagatta aaggtaaaag ctggcacata ttatacattg tgtagggtaa 60  
 tgagtgcaga aagttgtact atgcctaagt gggtagcatt aacaagatgg ccatttggtta 120  
 gcttaacact aatgggacta atttgacgat atgaataaaa atttggttaa gaagaagaaa 180  
 catggtcagt ggctcctgaa tctaagatcc aagaggtaga gttggattta ttcgtaagac 240  
 aaaaccatac ctgttggatc gttattggtg caagacgaaa tagaggcaac ctgtgggtta 300  
 atggacgctg aggttccggc cgacggctgt tgtattaaag ctagaagtgc tatgtactgc 360  
 tctgatgaan aacgaacctg ttcttgtgat tcttggggat agtattggtc atctgtggcc 420  
 ttcccttcag ttgccactac actatta 447

<210> 6809  
 <211> 434  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6809

acgatgatgt taagaattaa atattataaa gcaaatccgc caaaggcgag ttaagaaaaa 60  
agagacaaaa gatctccaaa ttttacaagg aaggcacaaa agtgcaataa agattaatga 120  
ataagacaaa aggagtagat cccaaccccc ctaaaaaaat tgaaatgaat aaaagtacaa 180  
gcaagacact caaggttctt actcaatata acccttaaat actctttgag tctctctgat 240  
cgtttctttc atagccctct tacccatgac cacgttgcaa gccaataaa gcccatgtgg 300  
atcaaggaat gacntaattt tcttttaagt ttagaatatg gaatggaacg cgcacacact 360  
tgtgactatn gaaaaaaaat. aaaanaataa taataataaa ggagaatcct cgagggtttg 420  
cactttcata tttg 434

<210> 6810  
<211> 472  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 6810

cgcttggtggg gcatctatgg aggctggatc tttaagcttc aatgaggtct tttaatggtg 60  
attttccacc atggagatgc agcgaaagac aaaggagaag aggtgagagg agacgccatc 120  
cactagggaa taagccatgg aagaaggagc ttcaccacca agatgagcct tggataagaa 180  
gcttgagag gatgcttcaa tggaggaaaa gaaagagga gagaaagaga gaggggggag 240  
cacgaaattg aaggaataaa agaggtagag aagtggaaact ttgaagtatg tctcacaaga 300  
ctctcattca tcanagttac aacaagtgtt acacatgcct tctattatag actangtagc 360  
ttccttgaga agctntctta agaaaacttc cttgagaagc ttctttgaga aaaacttctt 420  
gagaagctag agcttagcta cacacacca tctaanaact aagctcacct tc 472

<210> 6811  
<211> 322  
<212> DNA  
<213> Glycine max  
<400> 6811

ctgctgcatg caagcttctt atccaaggct catctaggag gtgaatctcc ttcttccatg 60  
gcttattcct taaaggatgg cgctccttt cacctctatt cctttgtctt ccgtacatc 120



tacctggggg aaaaccacca ttaaaggacc ccattggagc tctaagagcc accctccata 180  
 caagccccac tagcatgttt ccatacaaat gtacacgtct ttagaggggt acacgcccac 240  
 gcctttagag gactacacgc tctctcctta ggaggactac acatcctcac ctttacagga 300  
 ctatacgtga atccttggtt tt 322

<210> 6812  
 <211> 294  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6812

ttacaaagtt gtagttctag tcgctaattct tangctctta aatttagtac acgctcatga 60  
 ttttcttatt cctataatct atacatcaac atatcagaga tatttttatg tgtaattatc 120  
 tagtggtgct ctgcttccaa attaatgtat ttgataaacc atacggaatg atcatgtcat 180  
 tggccgataa ttagatgctt acgggggtca tcaacaagtc cattgganat aagtatgggc 240  
 ttgcagatgt tggtgacttt gtgagaatga agtgagtttg tgaaactagc taag 294

<210> 6813  
 <211> 354  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6813

agcttagatc aggcattcca gtcaaagctt tgttgtcttt aatatgcatg ggcattncat 60  
 atcaactttt aatcgatcatg agatattacg ggcctcaatc ggacatgcga gtcacaactt 120  
 tagcccgcca gaattcaccg gagtcttcca tgttaaataat tgagcgtctc gataggtgac 180  
 ttggcttatt cgaagatccg gaggagaagt tatggtcgtt cgtatttgcg atgggcttta 240  
 atattatcct aagagcttct ccataatatta tgagctctaa tcgggaatcc tagccaaacg 300  
 ttatggctgt tccacattgc gtggtcaggc cattcatact tttcagggcg atga 354

<210> 6814  
 <211> 440  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6814

acttagaaat caagtgatca tgtattccgt atatatatgt tgagaaaacg gatgcacatt 60  
 ctatctatat acagntgttt gctggttgct tgaatcttga tttcacgtat tgtattgtca 120  
 tcatcaaaaa gggggagatt gtagatgcaa ttggctctga tgttctgatg atgatcatga 180  
 tgatgtgttg caattgatgc aaatgggctt ttcaagaata aaattcaaga caatacttct 240  
 agattacaag tcacaacatc cagatgatca ctagaatatt angaaggga tccataattga 300  
 ataacacagg ttcgccaagt gattaaaata aaagtgtttt tcaaagggtt actctctggg 360  
 atcgattaca naggatgtat cgataccagt ggcaaatacg tttataccac tataaaattg 420  
 gatccaattt aaacctgaat 440

<210> 6815  
 <211> 457  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6815

caagcttgag atattnttaa gccatacaat gtcttnttaa tttgtacact ntgtcttctt 60  
 ggccatcaac ttgaaaacct agaggctgat caaaaaacac atcttcttca agaggaccat 120  
 ttagaaaagc agacttgaca tccaattgat gcattggcca ccttctcaaa cttgcaatta 180  
 caactacaag ccttattgta tcaatccttg ctactggagc aaaaatttca ccataatcca 240  
 caccttctct ttgcaagaaa ccctatgcta ctagtcttgc cttgtgcttg accacctctc 300  
 ctttgggatt cttcttctact ttaaagaccc atttaactac aatagctctt ttccctttcg 360  
 ggagagtcac aagatcccag gtatggttct tcttaattga gcttaattcc tccttcattg 420  
 cttgaatcca ttgaggttct tgcaatgttt cctctac 457

<210> 6816  
 <211> 466  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6816

ggctctgaag gaagggtccg tcaaaaattta tctgatcata attatggaat ctgatgtgtc 60

cacgcaaaat gtaaaactaaa ctagtgtaat tagttttggt tgagtaggcg gacatttttg 120  
gataaaaatc gtgttacact tgattggtaa gactaatata aggaggagga taacaaaata 180  
tacttttact aattgaatgt atattttttt cttaacatgg aaaataaata tccaatccct 240  
ttctctcttt gttaagcaag aataaattaa attaaattat agtacatact ttctgttctt 300  
cacgtgtatt ttgaggctga tattgacaac actaggagta ttgaatagtt tgaattcatt 360  
gctgccagta tggatcggca tanagtggaa naggaagaga gnttgttcaa tgcttctcaa 420  
tactttgaca aaggatgaca ggggtcagtc ttcagttcat taaatg 466

<210> 6817  
<211> 468  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 6817

agctagcctc anagaggtcc aggaaggatt aagctgccga aggaactagt tccgctcctg 60  
agtatgacag tcaccgcttt aggagcgcta tacaccagca gcgcttcgag gccatcaaag 120  
gatggtcggt tctccgggag cgacgcgtcc agctcagga cgacgagtat acggatttcc 180  
aggaggagat aggtcgccgg cgggtgggcat cactagttac ccccatggcc aagttcgatc 240  
caaaaatagt cctcgaattt atgccaatgc ttggccaaca gaggagggcg tgcgtgacat 300  
gaggtcctgt gtaaggggtc agtggatccc gtttgatgcc gatgctatca gccagctcct 360  
gtgatatccg ttagtgctgg aagagggcca acagtgcgag tatggccaga ggaggaactg 420  
gtctgatggg ttccacgagg aggccatcgg ccagatgcta tgtctacc 466

<210> 6818  
<211> 446  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 6818

ngtagaatgg ccagacatga tacatgtcac ggtttgattt ggttcaaggg taaaagggat 60  
gccccacatt atttccatga cacaaatgca aaaatgacga tttggaaact tcatgcaaaa 120  
ctggatcatgc atgcacctat gtggacactc aagtgtcaaa tttttatggt catgtgatgc 180



taggagagca tcatccacag gaagcatggt tcanagcaca attgtcctaa atttggggag 420  
tatta 425

<210> 6821  
<211> 388  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 6821

agcttctaca taaagcttat taanaattgc ttttagaact tatcggtgtg tcaaaactca 60  
taagccatta ttataagctc aaatatatca catgcccgcc aagagcatag tggttggaat 120  
acaaacaatt ttcataatat gctctctcta accactccgt aaacaactta aatgcagatt 180  
acagccaact tctgaagaca caagcgtgga aaatatatta aacagtgcgt gaactataaa 240  
actttgtgac agccaaggac aaatgtacca ctaagaatat cttgcgtaag ctatgcatac 300  
ctcataatac cctaaccag attacctctg aaatattaac caatgaaagc atcgtgccta 360  
atctataact agaagaaaat gcttatgg 388

<210> 6822  
<211> 314  
<212> DNA  
<213> Glycine max

<400> 6822

tatcagaagg ggaatggtaa aataccacct catgctgata ttataaggt ggcaaagtgt 60  
ttctattgca agatgcaagg acacatgaaa aagaattgcc ccgggttcca aatatggctt 120  
tgcaagaacg gtaaataat ctcatataa tggtatgaat ctaatatggt tagtgtaaat 180  
attaacacct ggtggattga ctctggatct actattcata ttgcaaattc tatacagggt 240  
atgcaaaacc taaggaaacc agtggggaagt gagcaaagcg atttatcaag ctataagcta 300  
tgctcacatg tgga 314

<210> 6823  
<211> 443  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
 <400> 6823

agcttagaat accttagcta taaatgaaga catattaagt tagcctttat attcacgata 60  
 tgtttttatg ctatctcttc ctnccaaata cattcttcat tctttctctc tgagaagcct 120  
 ttctttttcc cgcatacact caaatctatc ccaataaaac tacgatcccg aactcgttga 180  
 ccgttgata atcctaaaat atgaacacca ccttcgaaac tcatttacac acatctgcac 240  
 cattggaact tgcaaaataa tgtatgcaga tagataaatg atccttgac aaagacagt 300  
 aaattgaggg cttaatctct tctcctctct aacacttaga aatcctagca gaacaactag 360  
 aggaaaaacg tgagaaatct tagagaacta ctagacacat cgatatcact gctagagtac 420  
 acacgtgagc ccgcatataa gta 443

<210> 6824  
 <211> 388  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6824

tcaacttaac cctttgagtt gattatgtca cacttaataa ttcattgtct ttctccaga 60  
 ttatgtcttt cctccagatt atatgtcatc cccacgaat tcagagtgtg ttctcaagt 120  
 agttataatt attgaattca ataattttgt ctttaaccat aaaaaaaagg gtcaaataga 180  
 ataataataa taataataat aataataata gtagtaatga acaagtcaga ttttgagttt 240  
 ggtacaataa gagcaccttt ctttggtgtt tttcaatnca aaaatcaacc ccagaagatc 300  
 cgccagattc ttgatgaaat ctgtcggatc ttgctgtcca aactgtcaga tttccttggt 360  
 ggcatattgt atccttctcg actatgat 388

<210> 6825  
 <211> 465  
 <212> DNA  
 <213> Glycine max

<400> 6825

agctataacc tcattgtctc tcacagtctt tagtatttgg gatccaatcc aatccttggt 60  
 ttccgactct cagccactta tgatagccgc cgatgatccc attactgctt cccctaagct 120

ctctgtcctt tcttcacgtc gcatcccatg ccttgccaac tccttggagt accctcgcgt 180  
 tgtgggtcact gaaaccccggt gtgatgaaag gcgtgatgct tttgtctgat ggcaactcctc 240  
 tcatggggta gccaaagtggc cttatggcga ggacgggatt ataattaata caaccccttg 300  
 ttcccatcaa gggaacatctt ggacatcctt cgcatagaaga tagaatcctg attcttcctt 360  
 ccttctagcg agggaaaccaa ttaacagatg ctccttcttt gcttgctaag aagtgatccc 420  
 aattcacctc tcgtttctca gtgcatgaac ggtggctttc taatg 465

<210> 6826  
 <211> 464  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6826

ggctaagtcn tatttgatga tgccaaagac tcaagtcaag aatcaagagt cataacagtt 60  
 tcaagaatca aagagtcctt caatcaagaa tcaagattca agtgaagatt caagagaaga 120  
 ctcaagatat gcaagaactt caagaaaagc atcaagataa gtataaaaag attctttcaa 180  
 atgaaaagat tgaatagcat aaacagaagc acaacaatt ttataactgt ttcacaaagt 240  
 agtaattgat taccatgggc atgtaatcga ttaccaatgt ttttgaatgt tggatttcaa 300  
 atttcaagag tcacaacttg tgataaaaca ttttcatatt tgtgtaatcg attacacaac 360  
 atttgaaatc gattaccagt gtttctaaac attggtattc anatctaaac atgaagagtc 420  
 acatctattg atgtgtaann tgatacacta aatggaaatc aata 464

<210> 6827  
 <211> 459  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6827

agcttgccctg tccaatgcag cagtaatgat ggtccgtggt atgttgggga acgggttacga 60  
 acccagaatg ggtttaggca aagacaacga cggcataact agcctgataa atgccaaagg 120  
 aaatcgtggg aagtatggtt taggctataa acccactcag gcagatataa agagaagcat 180  
 cacgggaagg aagagcggtg gtcaaagctc gcggttgaga caagaaagtg aagggagccc 240

gccctgccac ataagtagaa gctntataag cgcaggtctg ggagacgaag gtcaagtggg 300  
cgcgatatac gaagatgatg ttccgagtac attggatttg gtacggccat gccctcctga 360  
tttctagctg ggaaattggc gagtggagga acgccccggc atttacgcaa cgagcataat 420  
gtagaccttt acggttttaa aagctctata gttgggcct 459



tgagatcctg ngtaaggggt tagtggatcc cgtttgatgc cgacactatc ggccagctcc 360  
 tgagatatcc gttagtgtg gaagagggcc aggagtgcga gtatggccag aggaggaacc 420  
 ggtctgatgg gttcgatgag gaggccatcg cccagctgct atgtatacc 469

<210> 6830  
 <211> 466  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6830

ntgcacgtat cagtcaagtg tatggaccat atcgtagcca atgtgctcat cgataatggt 60  
 tccagtttaa acgtgatgcc taagagcact ttggagaaat taccattcaa tgcttccac 120  
 ctaaagccga gttcaatggt ggttcgtgcc ttcgacggca cccgccgaga ggtagggga 180  
 gagatcgatc tcccagtaca gataggccct cacacctgtc aagttacctt ccaaataatg 240  
 gatatttaac cccctacat ctgtctgttg ggccgtccgt ggatccactc agtgggagtt 300  
 gttccctcta cactccacca aaagttgaaa ttcgtagtgg aagggcatct ggtcttcgta 360  
 tcaagcgagg aagacatctt ggtgagctgc ccacctcta tgccttatgt ggaggccgca 420  
 gaggagtcac tagaaaccgc tttccagcct ttcgaggtgg taagca 466

<210> 6831  
 <211> 471  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6831

agcttagaat ntaacttttg tcaccattta ttcttcatat aaaaaaaaaat cagtaattga 60  
 gtttcagttc ttgatcttga cattatcatc attgttggtg ttgcttgata aaaaagaatc 120  
 aaaatgtttt ctctatagct ttgtaccgag agagagactt ggctggatag gttagtctct 180  
 aatatgactg attcaccttc ttgtatctgt gttctacaca taagataggg atatgggcac 240  
 ataagaggat aagcccagcc cattgcatgt taactgtcat tttcaaata gtgctacaaa 300  
 catgtttggc cctgcttaat tgctatgttg gtgaaaatga tttattttta tgtgtttcag 360  
 tgattatttt gtatacaaaa ttgcaatgat ttgttttaag gcttaatgaa ttggcctcaa 420

caaaaacaaa tgagattaaa aaanaaatga gaattacaaa aaaatctttc t

471

<210> 6832  
<211> 486  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 6832

tataagaacc aaaatgcctc aatcaattcc aaatatgcat gtgaattatg aagcatcaac 60  
aagaatcaag ccaaggctat tgagcaagca atcaatgggg caaacacac caaatgatta 120  
tgatgatgga tggctcaa atctcacaag gtaaactcat cactttcaaa ttgagctttc 180  
aaaactatca tgacatgtag aggagaatca aggatttcaa gtcacaaaat gtcaagaact 240  
tttattttca aaacaattac ccattttcttg aacatatacct ataattcana gaaaaacatg 300  
caaagtcgta cacgcacaca aaattgaccc aaaatattaa actaaaaatc cgacgaaact 360  
aacaacatta acaaaataac acaactaaca aattaacaaa accaacaaaa ctagcaaaaac 420  
tgaagaacac tccccccccc cccatactt aaacaacaca ttgtcctcaa ttagcacaaa 480  
ataaat 486

<210> 6833  
<211> 365  
<212> DNA  
<213> Glycine max

<400> 6833

agctatagaa tggctatttt tccctcctta tgttcttttc caatacttag aaagcaatat 60  
tttgaattc gtattaatta tgtgcccatt tttcttgaaa ttactatct ttaggggtg 120  
ggcatggatt tgattttcat aagtccaatc cagatccatt taaatggatt ggattttaaa 180  
tccagatcca tattttgtaa aaaaaacaat ttggattggt ttgatccatc ttaaaccag 240  
ttttaaatac aaaaaccatt tttgctgaa cttaatcgag gcaatttttg gccgatgtcg 300  
ggcgctgtac tttttggtcg acattggtca gagctatttt cagctgacat cagttaagat 360  
gacta 365

<210> 6834  
<211> 434

<212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6834

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 accttcattt caacctctat tctttctctt actactaagg tggaaaatag acttgtgtta 120  
 atataaggcg tgtcatttcg attatttaag ttgtgattga aatgataaat aattaaatac 180  
 attttatttc atctcacttt attatctaaa aatatacttt tgttttgttt tcaattacgg 240  
 aattctaata tatattattt ttattttttc ccgctataat tttattattt tgatttcaat 300  
 tctcttacac atttaccggc atgttcattc aagtagagtt agtctcatat cccttaaata 360  
 atgtctcata tttgatccgt aagacatctt gaatgaaaat nttttaagca actcatgtta 420  
 aatttcttaa acac 434

<210> 6835  
 <211> 455  
 <212> DNA  
 <213> Glycine max  
 <400> 6835

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 ttcactcaag ctcaagtgat taggctcatt ccattataaa caactaacac aagtcctaac 120  
 ctttgcatth catctcatat catacagaaa taaaaacaca aaatgaatcc gaaggacttt 180  
 ctaggcttgt aatgagggtta ggctgccaac aaatcatggt tgttctagga ttcaaagct 240  
 taggttctag gagagcatcc atccatagat aaaactttac tttttcattc attcctaccc 300  
 caatacttgc tatttttttag gcacttagct tacattgatt tgatttgcag cacacacact 360  
 tttatacatt gttatttata cttacagtct tttttaacat atatataaaa atagtatgtg 420  
 tatatacaag aatggtgagt ggatgctatg tactt 455

<210> 6836  
 <211> 362  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6836

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aactttggtc ttatcttact gaattgnggt tctgcttacc cttccactgt gttcgattga 120  
tcacatgatg aagcaatgca ttcaggggtg gatgtggaag ccttccaagc tgccttaaatt 180  
agagatatag gtanacagat gncanacaa ntttataact gtttcacaaa gtantaattg 240  
attaccatgg gcatgtcatc gattaccaat gtctttgaat gttggatttc aaatttcaag 300  
agtcacaact cgtgataaaa catcttcata tttgtgtatt tgattacaca acatctgaaa 360  
tc 362

<210> 6837  
<211> 461  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 6837

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tctaattccat gtaggatgat ggcttaaacc ctaatccatg ttgagcaacc aattcaaact 120  
tcttgtcaaa ttcttctacc tttgtcacat tgaagggaat aacactgctt taaagtaattg 180  
aagaaatttc ttgactagct tcttccctca aattattgaa aatgttgttg atgggtgtatt 240  
gagtgtcac tcttcttacc ttaaaaatat tgtcatgact cccaccact tattgctttg 300  
aatcctttct caccatcttc ctcatcttct ttgggccttg gtccctcctc atctacctta 360  
atcttttcat taatctctct tgcaagggtca agtttaccac attcgcttcc tcacctcatc 420  
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<210> 6838  
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aatatatcag ttacagaaaa tgcataaaaa aacatacaag acattggtaa tcggcacata 240  
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<210> 6839  
 <211> 409  
 <212> DNA  
 <213> Glycine max

<400> 6839

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 tgactccatt tttgagtttc acatacagca tccatggaag ctgataaaaa aaacataggt 180  
 ttctgggttta tgatcccatc actggtaatt cttacgtgat gcttttgtga tgagattgct 240  
 attgtagtgg aggaagcata tgctcggacc caaagctcat tcctttatcc ttcttcttca 300  
 cagagcgctc ttcattgatcc catagaagta agggaagtgc accctttttc cttgctttat 360  
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<210> 6840  
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 <212> DNA  
 <213> Glycine max

<400> 6840

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 caccttcac atgtaaagtc acgcaatact ctctttaccc tatgtccttt gacattgact 180  
 tcatctgcat ctctccttct atttttctta ggccttcttc tctggaactt tatatgtggt 240  
 ggaacacgtt gtgcatactg gtgttgggcc caatattgcg gtccttggac tggctgaata 300  
 aaatgggtgat atgtcttatt ataagcctct atggacagcc agtcatgaca catgtcctca 360  
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<210> 6841  
 <211> 454  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
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 atagtgtaca aaaatgtttg cgtcggcgta ttctaattaa attctaaaat gaaatgggaa 180  
 atttatggat tgtttctatt gttctgaatg tacagattca gtgccttggg gctattttta 240  
 attgtgagat ggatgatgat ctccatgtac acatcanaga catgcatagt ttaatttatg 300  
 ttcttggtat gggccttcaa ctgtcgaggt attattgtcc atgtgtattg gatgttggtg 360  
 ttagtggtta cttgccatac tggtgacttt caaatgtgtt tctcatgtgg cgagtccttt 420  
 tctcccatgg tgtagtgagg agattcatat ggag 454

<210> 6842  
 <211> 461  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
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 catgaatgca aaattgccct gtcgatgatca tgtcatattt agttctttcc aaatttgcta 180  
 atagccatca ttaatcagtt agtaaaactc ttcattccct ttcctttgat agcagctgcc 240  
 actgactcgc cccaactcac canaactgtc ccagagaagg agctgtggtg atgctgccgg 300  
 catatcccca gaaatttcta ctcgaggacg tcgcagtgtt ggcaataacc acaaactggt 360  
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 actatgcaac ggacacatta ttnaatatac tnnatatatt a 461

<210> 6843  
 <211> 463  
 <212> DNA  
 <213> Glycine max

<400> 6843

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agactctcat tcatccaagt tacaacaagt gttacacatg cttctattta tagaataggt 180  
aacttccttg agaagctttc ttgagaaaac ttccttgaga agctagagct tagctacaca 240  
caccctctta ataactaagc tcacctcttg agaagattcc taaagaagct agagcttagt 300  
tacacacacc tctctaatag ctaagctcac ctcttgaga tgagaagcta tagcttggt 360  
gcacaccccc tataataagc taagcccacc ccattccaaa aatacataaa aatacacaaa 420  
aaaagtcgct actacaaaga ctattcaaaa tgccctgaaa tac 463

<210> 6844

<211> 465

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6844

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tgagggaacg ccccgacatt tacacagcta gcttaatgta aacctttatg gttntaaaag 180  
ctctatagtt gggcctaggc tttagagttt ttcttttggg taaggctttg tgtattttgt 240  
tttttaaatt tataatacaa ggatctttct tcatctgttc ctacgcctct acccattctc 300  
antccattgc atgtttactt ctttatttct gaaacgacaa atccgatgac gagtcccccg 360  
aagggtactaa tacctgggac ccgcctatca acttcgagca agaaacgaat canacggaag 420  
atgaaggga cgangatgtg ggacttcccc cagaattaga aagga 465

<210> 6845

<211> 452

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6845

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<211>	413
<212>	DNA
<213>	Glycine max

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agcaaaacag	ggcaaaggca	gaaaactctg	ccaaaacacc	aaccaaataca	cagtttttct	120
cacttaaaga	cccagtaac	aattccttcg	atccaattcg	ttaaccggtg	gatcaactcc	180



aaaattntac tggaagtcta tagtacataa gcctacattg tgaccgttgg gatctactag 240  
 aaaacatcta gaactcattc tgtactactc tttccacagc ctaccacaca caagcagttt 300  
 tctgcacaaa gccaaaattc tgctgcagcc tatttgacag caaaattctg cataagtgca 360  
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<210> 6848  
 <211> 284  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6848

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 caggaggaaa tagggcgccg gcggtgggca ccaactggta ctcccatggc ccaagttgat 180  
 ccagaaatag tccttgagtt ttacgccaat gcttggccaa cagaggaagg cgtgcgtgac 240  
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 <211> 408  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6849

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 cttccaccta accataaaga ccctggaagt gtaaccattg cttgttcaat tgggtgaagcc 180  
 acccggggaa aggctttcat tgatttgggg gccagtatta acttaatgcc actctccatg 240  
 tgaagaacat tgggagagtt ggagatcatg ccactagaa tgactttaca acttggtgac 300  
 cggctcatta ccagaccata tggagtggat gaagatgtgt tggttcgagt aaaacattnt 360  
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<210> 6850  
 <211> 389



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 caaagacana gtagtacaca tgtttttgta tattggaaaa aaaataaatc tgacattggc 120  
 tacagaaaag acaaagatag aatatataag tgagggacaa ttctcatccc ctgagaattt 180  
 ttgggggttg gttagtccaa actcacattc tgaaagactg taaaactgaa tttttggcat 240  
 ttatgtacaa ctacaagaga aaagaattaa taaaacacct taaacaatca atgtgagttg 300  
 caggagatc tgagattcat cttgactgga agaggagact ccgcatngct cttgggtccc 360  
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 agtcgactaa tatatt 436

<210> 6853  
 <211> 369  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6853

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 tagggaaatt ggtatccagc tttacaagac acttgtccac gatctgaccg ttgggatctt 180  
 caagaagatg tctggagtgt gtgcgatgtt tctgtgtccg agaccatttc tcaactaagc 240  
 gttttcagcc ttgtctctcg ttagcttag gaaaaacacc atttcttctt ctttcttctt 300  
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 ccacaaact 369

<210> 6854  
 <211> 433  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6854

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 acatgtcttg ggctaaatgg ttttaacatg attctttaga ggtttcaccg attaaacttg 180

ctatagaagc tagatttgaa tttctatggg tcaaatttct tgttcttggt cttgaaccat 240  
gaattgtgtt gaagttaagt tcctttgagt tctggcttgc tattttttgg ggctgaaaac 300  
taaatacataa aattcttaca aaatcattaa agtagaagaa aaccttaaaa atctagagtg 360  
acttcgtcac ctattgtagt tttgttatag aagtcatgtc tagtcatgaa acttgtcaca 420  
taagatttct tat 433

<210> 6855  
<211> 251  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 6855

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ggtggatcaa atggagaata gagatcataa tgaagaagaa aggacgagaa gagggaaatga 120  
tggtgttcct agacaaaacc gaattgatgg tattaaactc aacattcctt catttaaagg 180  
aaagaatgat ccggaggcct acttggagtg ggagatgaan atagagcatg ttttctcatg 240  
caacaactat g 251

<210> 6856  
<211> 442  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
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accttggttg tatcaaagga ctttcacaac ctttgtgtgt tgccctcgct ggaaagagtg 180  
attctttcct tcctttcatc atcacccttg ttctttcaaa ccacaatttc agaaaatcca 240  
cctctgcccc gaattatctc gtgggcataa cttccatttt acgcactcaa attaagtgat 300  
tcttgagcct aaatcgaatt tcaaaacgag acctttcacc tcgttctgga atcacctcat 360  
ttggagccct gtagcttcag ttattggcat ttctatattt ctgtccagcc accacttaac 420  
ctaccgttta ccattccatt ca 442

<210> 6857  
 <211> 394  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6857

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 ttcaactatt catatctatt ntaactttct tttgatgtct tggatgttga agcttccacc 120  
 tatgtccaac aagtctgaag ttacgggatg aatttgtaaa tcatccatca tcacgtaagt 180  
 tttttcacca tatttcttct ttggaaagaa aatgccccctc cacatttgga tagagaattt 240  
 taattgagaa aagtaattta tcagaagaat tgaatttctg tattgggttg atnttttttg 300  
 tgaagaaatt aaaatttttg aatttttaaat aactaanaat ctgaaatttc aattttcttc 360  
 taaaatgtga gaaaatgaaa ttctattctt acag 394

<210> 6858  
 <211> 423  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6858

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 tcgtattgaa aacgggagct cgttgcaatg gcaaccgaaa taacctttta ctcggatgtn 120  
 cgatttgagt ccgtaatata tcgagacgct tcaaattgaa aacagaagcc ttgagaaaat 180  
 tctaacgaga attatttttt actcggatgt ccgatggagt tccgtaacat atcaagacnc 240  
 tcnaaattga aaacggaagc tcatagcaaa ttgaaacgaa agtaactttt aactcggatg 300  
 gtccgattga gtccgtaata tatcgacacg atcgtaattg aaacaaaagc tcgtagcana 360  
 cgcanacgac aataacattt tgactcggat gtccgactgg agtcccgtat atatcgagac 420  
 gct 423

<210> 6859  
 <211> 312  
 <212> DNA  
 <213> Glycine max



gtgctgattt cccgtataaa tcacctcctt tgcagcttca tcaagagata tacagcaacc 360  
agattcatga gctcttccat atatgtaca tctccaacc tac 403

<210> 6862  
<211> 394  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 6862

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tcaacctctg aataanaata aagaaaagac tctagcaaaa ctttaagcatt agagcttaag 120  
ctcgagccta taattaaaag aagaaaaatc acttaccagg ctttaactga ggctcaaaga 180  
anaattaaga aaataggctt aagattgacc cttgaagaaa aatgaagaan agactccgac 240  
aaaacctaag ctttgagat taaactcgac cacacaagaa tgaagaanat gaacttaca 300  
ggcttaagct ttacaactta agcttgaact tgaaagaaac atgaagaaca gactntaaca 360  
aggcttaagc tctatagcct aaagttgatc cttg 394

<210> 6863  
<211> 403  
<212> DNA  
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<223> unsure at all n locations  
<400> 6863

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aacaccctgg ctgtatcaaa ggactttcac aacctttgtg tgttgcctc gccggaaaga 180  
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cacttctgcc cagaattatc ttgatgagga catgttcaag agcaagggca aggatccact 300  
tgaaggactt ggaggaccta tgacaagggc tagagcaagg aaagccaagg aagctcttca 360  
acaagtgttg tccatactat ttgaatacat gccacgttt caa 403

<210> 6864  
<211> 314

<212> DNA  
<213> Glycine max

<400> 6864

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caatcagaca ctcgagtaaa aagctactgc cgcttgaatt tgctcagagc tttcataata 180  
aatttcgagt gtctccatat attacgcgac tcagtcagac aaccgagtaa aaagttatgg 240  
tcgtttgaat ttgctcaaag cttccgcatt caatctcgag cgctccaca tattacggga 300  
ctcaatcaca catc 314

<210> 6865  
<211> 328  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 6865

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acttaagtat gaatcccttt atgacagtct tcttanatat taattcaaatt gaagcaactt 120  
gaatatgaat ataaagcaat aataaataaa ggagattaag ggaagagaaa atgcaaactt 180  
cagtttatac tggttcggcc acacccttgt gcttacgtcc agtccccaag caaccgcgtt 240  
gagagttcca ctaacttgta aatttctttt acaagttcta aacacacaag gacaaccctt 300  
cctttgtgtt tagagattct ttacaaca 328

<210> 6866  
<211> 263  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 6866

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aagaaaatac atctctaact gacacaagat aatagcagcc ttccatcata tgagttgtct 120  
ncacgtgtca tcggactcga ttgtctttgg atgacaaggt gagactaaag tagtctcggt 180  
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cggaacttgct gtctctagat gac

263

<210> 6867  
<211> 439  
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<213> Glycine max  
  
<223> unsure at all n locations  
<400> 6867

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gtcgacatgg ggcgcgtcct tgtccaatat ggacatccaa tagccttctt tagcaagacg 120  
ttctgtctga aactccaaaa ctctctgacc tacattaggg agctcgttgc cattaccacg 180  
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gctcgtctat tgnngtacia ctattcaatc cagtatcggg caggcaagac caacactgcc 360  
gctgacgccc tatccagaat cacggaacta gtagcgggac aatntctaata gctaacaata 420  
ccctaaccctt tgttttttt 439

<210> 6868  
<211> 453  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 6868

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gaagcacaat gatcaagcct tacaagccca aacaagcaga aaatttgaca agcaaggaga 120  
caaatccaaa aataaaaaag gaaagtggca tgatgagaag tggagaaaaga ctgaagattc 180  
aaaatgtggt gattctggat catcttcaca gaaagctgtg tcaaatccaa gaagccaatt 240  
ctcacgaaa aagaaatggg tcgacaagaa gaaggtgcag tgttacaact gcaggaactt 300  
tggccattnt gcagctgatt gtagattcag tagaggattt caagtgaaag gtgaagaagc 360  
aaggttggca caagaggaga atctagaaga tgatcattat ctgctgatgg ttaccaccaa 420  
aatgatctt cagtgtgcta acttctggta cct 453

<210> 6869  
 <211> 328  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6869

agctntaacc tcacgtccc tcacagtctt tagtattggg agccaatcca atccttgtgt 60  
 tcggactctc agccacttat gatagctgct gatgatacta ttactgcttc ccctaagctc 120  
 tntgtccttt cttcacgccg catcccatgc cttgcgaact ccttggagta ccctcgcgtt 180  
 gtggtcacta aaaccccggt cgatgaaagg cgtgatgctt tcgtctaata gcgctcctct 240  
 catggnntag ccaagctggt gcacaacaaa caattcttgc gccgctcttt tcacatcccc 300  
 ggtcgaacgt gtcatacatg gccaaaat 328

<210> 6870  
 <211> 388  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6870

agcaacacan aatctaggta tccaaaaccc ttatattaat ggatnntcaa tggttgagaa 60  
 agtgaaattg agaaatggga taaatttgag caaactctca cctcacacaa gtctattaca 120  
 tcaatttaaa cttgttcaaa ctggatttta cgcctaaaat tcaccgaatc aaaatttgac 180  
 tcccaacacc caaatttacc ctagaaatgg ctctttgttc acttttgtca tttgtttttc 240  
 tctctagcac agcccaaact ttctcataag tcctaaatgg catttcaagc taggattaac 300  
 tcactctaac ctccaaatac cactaaatcc agatttggcc ttccaactct caaagtctca 360  
 ctcttttttc acttacaaca ccatactc 388

<210> 6871  
 <211> 429  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6871

agcttcgcac gtaagatcat cgcgtcagag aacttaacca ttataaaaag aatgggtgaan 60

aatatatntg taaacttatac gaatcaataa atgctatgga gggtagctat tttttatgat 120  
tctgtagatc atgatcttgc tcatgattat attttaaatg ctttaagaat gaattctgat 180  
tctattcttt atccagaggt aattagttct ctgggttggt tatcacanag aaaaaataag 240  
aaatcagaat tataactttc aaaatagcat aatagactcc ttatagagta taaagatata 300  
taatcggaat taatattggg cataaccttt ttttcgcatg tctcttttat gttggcaatt 360  
acatcattag aaatcattaa ttattaattc aatacaagat catatttcat gtgtctctat 420  
tatataaag 429

<210> 6872  
<211> 302  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 6872

cttcactaga gagatatgag aattggtgtg tctttttctt ctgcttccta ctccttttat 60  
aggctctaagg tagcttattt ttcattgtga cttcgacta aacgcgcact cctgggctta 120  
acgagaatgg cggtttaatc acgtgctcaa gacagtgtgc gcactaagcg cagccttggg 180  
cgttctcgtg ggcctttctt gtgctaagct ggtcgctaag cgagcacgca cgttgggcct 240  
gtctcgtgcg ctaaaagagc tgttcatnta ttttaacttt tcttcaaggc tttttctttt 300  
ag 302

<210> 6873  
<211> 189  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 6873

cgagtatgaa atgagtgaac gccatatatac ttgcatatac attgcttgta tctttgattc 60  
aaaaattaaa ttgtcatcat acaaaagggg gagattgtag aaacaagact ttgcctttga 120  
tgtttgatga tgcatatgat catgatgttt gatgccttat aanatgcctt ctcaagntaa 180  
ttcaagaca 189

<210> 6874

<211> 461  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 6874  
  
 ctaagcttga tgcaccttat aacatattgt ttgattgcaa ttttgactgc atctttacta 60  
 tcaaattcca tgccaacata taattcttgg ccaacattaa agttcgacgg catctccaaa 120  
 ccgcaaattgt cctttctcatc aggataagtc cagttgatat tgttataatg tgaggcatca 180  
 ttccaaaatg gattttcaat tcgttgtgca cctaacagtt caaaataaga taaaaaatcc 240  
 aataatactt atttagcatt aaatacaatt gtcatcaaat aataaatgta ttgtctaatt 300  
 nttttataca acacattata cctttctgctg ggtgaacaat tcttactggt tganngaatg 360  
 tgggtgacttc atcgtctgtg tcagatatat cgtcaacact gtcattcttcg tctaaagact 420  
 cttcaacata tgagtttagac acaagaatat catcatcatc a 461

<210> 6875  
 <211> 95  
 <212> DNA  
 <213> Glycine max  
  
 <400> 6875  
  
 agcttggaga gaagtgagat agtggttcgtc tattacatgc catacgccgt tgaggaacag 60  
 agggatcgca agatatcttg cgtgtacatt gctag 95

<210> 6876  
 <211> 442  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 6876  
  
 agctgttagc attgaatttg tgctaccagc ctatcactat tcactataat aaagtgtggt 60  
 ttaatctata gaatagatgt tagatataga caataattta attatgactg acctgngtgt 120  
 ttttttggca gctaatacgaa aaagtactcc ctattgtgaa gaagcaaaaag ccaccatgta 180  
 tactccgtag ggctcattcc ttgcaatggt agatcaaaat tgctaggggt gcaagatagg 240  
 aattgaatat taaccacatc tattgtggga catgagcata ttaatcatca tctcttaaaa 300

atcatagttc tcagccta at gggtactcct accatgacaa gctagtcaca attctcaa at 360  
 tattcattca ttttttcaaa aactaaacct acgtagttta aagtgtctac tcgctcccct 420  
 agccttaaga aacaatcctc at 442

<210> 6877  
 <211> 381  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6877

agctgaccgc taaacgaggg gtcattgctgg actttgtttg cacgctaaac gagatgcaat 60  
 tgnccctccga attcttgc at caaattttgc attaat taa cttccaaaca cttgcaattt 120  
 cccttctttt gaatcctggt ggtccagaat taaaatgata tcaaaatcct cattattctc 180  
 ttaaaaaata atagtaaagt cgaggaaatc tagtcattct tgtttgattc gactatcaat 240  
 taaacctaaa tttcacagat atcatgatga agttagagat tctaagagt tagatactcg 300  
 agatggaagt gacgatgaaa gtaatccaca agtcaaattt ctgatttaa cgtgtctgaa 360  
 aatgatgaag atgtaagttt g 381

<210> 6878  
 <211> 406  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6878

agcttcacaa acaccacgg gacctttcat tttgcagcat cttcaagctt tttctgcaca 60  
 tttgcctcaa ttattttttc attccctaca tccattcaa gtaagtgcc tctccatcta 120  
 attntacctt tgccttgaga tgtttggtgc tttgtttgtt gttatctttg taatgtttgt 180  
 gagatgagtt gtgtgtaa ac catgggtcca atgctttgat tgggtggctgt actagatggc 240  
 tctaggccta tctttgtttt tttttttaca gatttgc atg tcatgttgct ccttatccct 300  
 catatataca tgcattaaca tatgcacacc aactatntga tgaaataaca caattgctat 360  
 tctacgtgnn tatttgatgc ttgaaatggg taatgatatt acacat 406

<210> 6879

<211> 460  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6879

ntctcccaag tcttanatga catttcaagc tagtattaac tcaactntaac ctncattttac 60  
 cacagaattc agacttaacc ttncaccct caaagcctca ctctttttcc actcataaca 120  
 tcacattctc acttttctaac cctagggttag ttctaccctt catctctaac agttttccat 180  
 cagcaatttc agcatataaa catcacaaac atcatcacia aaaccctaaa acagaatggg 240  
 tatgtttaac tcatccaaac atggcaattt caacaagctt tcaacaagag tcttcacaaa 300  
 taactaccat gaagcagaaa actaacaaaa ctacccatca tatctncaa aaccccatc 360  
 ccacgaaaat caaaagagaa agaagtcacc cacacctgaa aattcgaagt cccactcgta 420  
 gacacgcact tcaagacttc gaaaatggct ctctttcgcg 460

<210> 6880  
 <211> 444  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6880

agcttaaggg attgtttttc cttttaatct atttatatta aacaaactac tataagaatt 60  
 aagaaagatc tgttntggaa ctttcccata taataaataa tgcaaataac accgccttcg 120  
 atctatggaa gctactccaa ttcccaacat atgaatacaa aaactaaagt tacctcggcc 180  
 atggtgacgc acattttctg tctccattcc aaatcttcca tcaccatctc tggacaattt 240  
 tcattttcca ctttcatttt caacacgcaa aagtaatacc aattaatctt cttgttcttg 300  
 gtctcgagca ttagtagtac ctggaacctt ctctgtcgtc taatatcata ttatttcgat 360  
 tctagctttc tagtactctt ctcaatcaac cagcactat aagggtttct cttgataatt 420  
 tctgtgctt aatctcaatc atat 444

<210> 6881  
 <211> 222  
 <212> DNA  
 <213> Glycine max

<400> 6881

actctagcat gcactaaatt ggtgtggatg tctttattat tcacgtgga ctaaagccaa 60  
actatgtgga tgggtataag tattgaattc accaatttca aactttaatc atattgactc 120  
ataaacactc ctaattctta ggactttttt aactttattt tggctttctt tatacgaaaa 180  
aaaaatgcta acacataata acactatgta acattttatt tt 222

<210> 6882

<211> 372

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6882

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acatactagg aagggactca gcactcacct gctgggtgtg cgcattaatt atattgatca 120  
gttttggacg gaatatggca acattgatgg tttctagtagt gaaaataaga ctaaacagaa 180  
cccatgctcg ctctggagta cccgcaatgt gatgcataca agtctgcaca actgaagcca 240  
ctttctaagc ccatgtatcc tcaattcttc acataatgaa atttgattag gcatggcatt 300  
gcaacactgg cgttatcagt atttcattat atctctatct gcatcatgct actcctttga 360  
acaatgccag at 372

<210> 6883

<211> 376

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6883

tcttagcgta cctctgattg ctcaangact tgcgatccat ttcttcggtg tatgtgtggt 60  
gccagggagg tggttttggg tttcttgatg ccattttcgg gactttttaaa gactgggtgt 120  
atgcaattgc tttctgcacc tctttnttcc tattgcagtc cttagaagac aattcttatg 180  
cgcacttcat tgcggctgtg acaattcaca ccgtacctta ttggtggcat aagagcctta 240  
catgcaatct gccttggtat cttaaaaaat ggcattcgca aatttgattc aatcgcaatc 300  
caagatccga tgaaagggtg ttattaaact actataaaat tttccctcac cagaagaatg 360

attttaatga ttcgat

376

<210> 6884  
<211> 310  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 6884

agcttgggtg atgttgcgcg tactgatggg taccatgagg tgtttgctga ggtttaaccc 60  
atgcgggtgt tgaagagacg gcatgggcat ctcttctctt cctttntgcc cctgttgccc 120  
cgattctttt ggcgttcacg tttgtggagg aaacgtaatc aaacttttct ctcttcaatc 180  
caacctcgat tctttccccc gcaaacacca aattcgcaaa gctggacggc atgtaaccca 240  
ctatcttctc atagtacaac actggcagag tgtccaccat catggtgaca ttctcttctt 300  
aaccatggga 310

<210> 6885  
<211> 384  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 6885

ttctcccat tntctataa ataggggaag aggtgaaggg ataaaatgtt cagccctcct 60  
ggtaattcga gaatcacttg aaattagtga aaaaaattgt ttccgtgaag aaaatccaag 120  
ccgaggcgct tccgtaacat ttccataacg ttccgtggg tgatttcgcg aagattttca 180  
accgttcttc aacgttcttc gttcgttctt catcgttctt cggctttcaa ccgtaagta 240  
cccaaaatcg aacttttcaa ttcatntat gtacccttag tggctctcat ttgttttcac 300  
atgcttttat cttcatttca ttactttnc gtatccctt ttgacgtgct ttagtcattt 360  
tcttaagtca ttctctcgcc taat 384

<210> 6886  
<211> 474  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 6886



gtcttaagca ctgagctgca gctataagaa ttgggcataa aatttaagtc ctaatatgct 60  
gataanaaca cnccttaatc tttcttttct tcttcaccgt ntccttaact tgatgcctnc 120  
attatttctt tctcttgcat cgacgaagac cagtaccaac catatgttaa ataatggtag 180  
catgtcggat gagtataaaa tatatataat atcacatgat gtnctctaataaaaaattag 240  
acattgaatc attataactnt cctctctctn tctttntcaa tgccccacca attttttgct 300  
ataaataccc aagaaatcat cccgttttct cacagacttc ctttgctcan agccaaacca 360  
aatnttctct ctttcactta gttattgact ccccaaaagc ttttcanata tctctgggtcc 420  
tctctcacgt accttctccc tatctttcac tccacttctt aacaccacaa aaca 474

<210> 6887  
<211> 492  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 6887

cacgtttgaa ccgtcacncn ctgannccct tgaataacgc gcactatgat actaagctct 60  
ctaaatctac gnggtattta ttgacttcat cgggttttgt atcccttgaa tgggtgagat 120  
atatatgcct tgtagaaaca ccctgggtatg gaacatncta ttattttttt cttgtgctgg 180  
gggaatcata tagactatat aaaattcgcc cttttagaag atggaatatg gaattttttt 240  
tttttaatgg gagaggaaat aaatttgaaa ctttgtatta atattcttca agtaaaaaat 300  
taaaaaaata ttattgtgga aaacaagatt taaaaaacta ccaaaataaa ttccttctaa 360  
ttgtggatcat caaagtcaat agatgctttc cgtgattgcc gtcaagacta aatggagctg 420  
agtgactcaa tagatgacca ctcttggtat ccccttttcc acccaactct tctttcttaa 480  
tgatacaaat cn 492

<210> 6888  
<211> 466  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 6888

agctntgctt ctacaatatc cnccttttnt gatgatgaca gcttctggaa tcaagaaaca 60

cacacacaca cttnttccta gtcgatctct cacataaaat tccattcttc cccttttggt 120  
 tntgaaatnt atgctttctc ttaaaattaa agtgattact catgtgagtt cttgatttaa 180  
 tccctatttc tcttcnctt tggtatcaac aaaaagccaa agtgcataac aattttgaag 240  
 cattcaaata taactaagca tccatacaac attcatggaa aaatatcaac caaatcatga 300  
 agcaagaacc atgaagcaac aatcatgaat agattaatta taaaatccac atagtcaa 360  
 aacatactnt aatattgttc aaacaccatg canataaaga aatagggaaa tgttcanata 420  
 tcataataat atagattatt tggataagtc actgacatct attagt 466

<210> 6889  
 <211> 448  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6889

ctccaaagtt ntctggtnt tctaaacctt gaaaacttgt gctanttcatt tttttcatct 60  
 cttctccttt gccaaaagaa ttgcgcaagg actaacgcc tgaattcttt ntgtgtctct 120  
 cttcttcctt ttccaaaaga acaaaggact aaccacctga attcttttgt gtctcccttc 180  
 tcccttgatca aagaattcaa aacgacacag tctaagaatt cttttgatcc ttccctttcc 240  
 cttatacaaa agttttcaaa ggactacccg cctgaaaatt cttttgtatc cccattcaca 300  
 aagtatcaaa ggtttaatcg cctgagatct ttgtcttaac acattggagg gtacatcctt 360  
 tgtggtacaa gtagagggtg catctacttg cgttggtgat tgagaacaag agagggtaca 420  
 tctcttggtg atcagttcta gtggaggg 448

<210> 6890  
 <211> 341  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6890

agcttagacc cttatagcta tgatgcagaa gaaatgaaga aagtgatagg cattgctttg 60  
 ctgtgcactc aagcattggc tgcaatgagg ccaaactgt ctgaagtagt agtcctactt 120  
 agtagcaatg acttacttga gcatatgaga ccttccatgc ctatcattat tgagtcgaat 180

ttaaggcccc aaagagatat ctctttcttca actgcttctt ctacgactaa tgcaactatc 240  
 tccaattcaa tagtaccgcg tcgatgatta aatatatgat gtaaaantnn atttttttgt 300  
 ccagttcatt attaaggatg attattggta aatcttactt a 341

<210> 6891  
 <211> 330  
 <212> DNA  
 <213> Glycine max

<400> 6891

tactaagctt atgatgaatc aagaatgatt ctacgagtct tgatgataac ttagatgatg 60  
 acaaaaagct caaaaagtcaa gatcacttca tgataacaaa gatgatgaca ttcaagaatg 120  
 agttcaagtt tgagttcaag attgagtcaa gaacacttca aggatcaaga gtcaatttga 180  
 tttctagaat caagattcaa gaatgaaaaa taatcaagat caagattcaa gactctaaga 240  
 ttcaagaatc aagataagta ttaagaagtt tttcaaaaca ttgagtagta caagaagtct 300  
 tcacaaaatc attaccacag agttttactc 330

<210> 6892  
 <211> 332  
 <212> DNA  
 <213> Glycine max

<400> 6892

ctataaattc taatatcttc ataccctact tttaacacac gatacataga aacaaagtgc 60  
 aggtgaatca caaatttcgt cttcaaacta ttactctctc cgctaaataa atgctaaagt 120  
 aataacacta ttcaaggaat ccctagagta ttgaatattc atcaattgag tccctacgtg 180  
 gatgtattgg tttactgttt aaggaatatt gtgaggggta ttctaattatt aaagggaaaa 240  
 ctttgtctaa tttctaataa ttatacgact acttaagtag ttcgttttac tataaggata 300  
 ttttacttaa ggtgtgggca atcttcatca ta 332

<210> 6893  
 <211> 375  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<400> 6893

ctaagctatt atctggggta caactagata cgatacatgg ttttaattta cgactttatt 60  
ataactacgg ttacactcag ggtctacttt gagcccttat cctttttacct tgatgttgga 120  
tatgcttatt aaacatatcc cacagctaga gctacaatgt gcgctttnta caaatgggtat 180  
agcttttagtg tgccagtggga gatcgattat tcgtacgatt accgtaaaaa gatttggaag 240  
cacattactt ctgattatgt atgaacaaaa tgaagcatgt ctaatggcag ttcatagaaga 300  
ccaacactat tgccactgta tacgtgaaca ttgaaaatca cacccttcca ctggtctcaa 360  
cacgtcttgg atcta 375

<210> 6894

<211> 193

<212> DNA

<213> Glycine max

<400> 6894

tattacacaa cgtggcggac aaaagtgggc agtttacttg aacggtcatt attgtccatg 60  
cggaaggtat tctgcgttc actatccatg ttcacatatt attgcaactt gtggttacgt 120  
gagcctgtac tactaccaat atatagatgt cgctatacaa atgagcacat cttacaagct 180  
tactccgcac aat 193

<210> 6895

<211> 349

<212> DNA

<213> Glycine max

<400> 6895

ctaagcttct aaagagggtta gcttagttat tagagacgcg cgcgtagttt agctctagct 60  
tctcaaggaa gcttcttaaa gaagcttctc aaggaagggt ctcaagaaag cttttcaccg 120  
aagctaccta cgctataaat agaagcatgt gtaacacttt ttgtaccttt gatgaatgaa 180  
agtgttatga gacacacttc agagttccac ttttctccct cttttattcc ttcaatttca 240  
tgctcccacc ttctctcttt cttttctctgc attaaagcat cctcttcaag cttcttatac 300  
aacgcacatt cttggtggtg aagatcgctc ttccataggc tattcccta 349

<210> 6896

<211> 426  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 6896

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 gttctaacta ctaacacctt tgttaataac taaaccacc tccttgaaaa taattacgga 120  
 taaaaataac acaacaaata taatcaaaca tcaagcataa ttactaaata tatatagata 180  
 tatatatatc aggggtgttac actaagcgcg agatcagtgt gctaagtgca gtanttgtct 240  
 tcaaccaggc tcagcacacg actagtgcta agctcaaac cactcactcg cgctaagcgc 300  
 gaggggtggcg ctaagcgcaa catcgtgaat tcaaagccta tttaaagtct gtcttgtaa 360  
 aattacggta caagttttat aataaccagt gcacaaaatt ccacagcaca ccacaatgcc 420  
 tatttc 426

<210> 6897  
 <211> 374  
 <212> DNA  
 <213> Glycine max  
  
 <400> 6897

ttacaacgta gtgactggga aaacctggc gttacccaaa ataatagcct tgcacgacat 60  
 tctectatcg cgcgctgggc gtatatcgaa tatgcccgca ccgatcggtc ttctcaacag 120  
 ttgcgcaacc tgaatggcga atggcgctg atgcggtatt ttctgcttac gcactctgtc 180  
 ggtatttcac accgcatatg gtgcactctc agtacaatct gctctgatgc cgaatagtta 240  
 agccatcctc gacacccggc aacacctgct gatgcgaatc ccttgagaca ccaataacat 300  
 cttgtgtcat atcgccaatt tactgactct tctcttataa actcactctc tccttagacc 360  
 acgtcctgcc ctgc 374

<210> 6898  
 <211> 465  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 6898

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 atactctata gatctctgaa gctctagcat ggccttcgtg atagaagcca tttgatcttt 180  
 aaaggtcgat aggtcggcct tcatctgttc ttgcactccc tcttcattat ccattattct 240  
 ggatcgagtg ttataggggt gcctctgcac tttcttagtt attgtgagtt ccctaaagaa 300  
 acaaacaatg gtgagtatgc caccaaaaca tgaatatgct aatgaatgat cggaccactt 360  
 ggatccacct caagatttta gataacgtga tgagttcaga acttctcgtt tataaaagga 420  
 acaagcttta tctaccaaga catacaaagt gtacacagac ctaca 465

<210> 6899  
 <211> 316  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6899

gtctaggatc tcaaattaag tcttggagc aataaagatc aattgccatt caacatggaa 60  
 gggtttgtaa cacaaaacat acatcagaat actaaaaaat tattaaattc ttactcgta 120  
 ctttttttga aaagagaaac ctaagcatac aaaaagcaca tcctcctacc cactangtgt 180  
 ggcttttgtg aatgagctac cggttaccac ttagaactct ctgtcctact ttagacacca 240  
 aaataaaaat gtattatgta tagccctct atacttaaca caaataccac accacgacta 300  
 aggttagtgt ctggtc 316

<210> 6900  
 <211> 286  
 <212> DNA  
 <213> Glycine max  
 <400> 6900

agcttccacg tctaatatgg aatttatttt cttttttagt acgaaaaata tctataatga 60  
 atagagtaat atgttttaac actacatgtg taatttggag caaagcatca tgtgtatgaa 120  
 tctagaaaag aagagaatgt ggatttcaat taccaacgct tgaaaatgaa tcagataacc 180  
 catgtcgtgg acgcctgact ctaaaaccga tcttcccttt cagctatttg tttctttcta 240  
 actttggacg ccattgatgc catataatct tcttatgcag caaaaa 286

<210> 6901  
 <211> 154  
 <212> DNA  
 <213> Glycine max

<400> 6901

tcttcttctt ctaatgaccg cttctctttc ttcactttcg gttatggtaa caactaaagt 60  
 gcaacactca ggtatcgcca tcgtttaatc tcacagagcc tgcaagagtg aagttagata 120  
 actatgatga tctagtcttg gagctgaatg agcg 154

<210> 6902  
 <211> 459  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6902

agcttcccaa ccaatcttcg atatctttca ggatcagaat aaggctcccc atgattgggt 60  
 agcaattttt gatttggatc cataggagta tcaattggtc tacaatctga cataccagtt 120  
 tctttaagta tgtctaacgc atacttcctt agtctaaaaa tgactaaata aatgttcttt 180  
 tagttgagca atttttcctt ggtcatttct tatgatgact atatcatcta tatagaccac 240  
 caagtaaaaa catctactcg atgaggtatg acaataaaaa actgaatggg ctgcttcact 300  
 tcgttttatc ccaaaagcct gaacaactga gctgaatttt ccaaaccaag cacgtgggga 360  
 ttgtttgagt ccataaagag acctncaaaa tttgcaaacc aagctagact tctctgagc 420  
 aacaaatccc ggtggttgct catataaatc tctattcta 459

<210> 6903  
 <211> 443  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6903

ctagcttctc aaggaagtn tctcaatgaa gcttctcaag gaagtttcct caagaaagct 60  
 tctcaaggaa gctacctagt ctataaatag aagcatgtgt aacacttggt ggaactttga 120  
 tgaatgagag tcttgtgaga catacttcaa agttocactt ctttccctct tttattcctt 180

caatttcgtg ctccccctc tctctctctc tccctctttc ttttctcca ttgaagcatc 240  
 ctttcaagct tcttatccaa ggctcatctt ggtgggtgaag atccttcttc catggcttat 300  
 tccctagtgg atggcgctt ctctcacctc ttctcctttg tcttccgctg catctccatg 360  
 gtggaacatc accattaacg aacctcattg aagctcacag atccagcctc catagaagca 420  
 ccacaagcaa gcttccgtca cat 443

<210> 6904  
 <211> 470  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6904

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 gaaagttgtc tgctctcat caataagacc agatatcact tgtctcaatc tatntgctaa 120  
 taacttagct atcaccttgt acatacatcc aatcaaggag atgggtctgt agtcatcaaa 180  
 tgactgggga tgtttaattt tgggaatgag agctatgaag gaagcattac tgctctagg 240  
 gaaactgcca tgtacatgga attcatcaac aaatcttctg aagtcagctt tcagcatatc 300  
 ccanaattct ttaatgaatt tgaagttgaa accatcangt ccaggacatt tgtcncatc 360  
 acaactccat actgcttctn tgatctccaa atctgaaaaa ggaacaacca aagactccct 420  
 ctgctcctgg gttagtgaag agaaatgcac tccatcaaga gtgggtctac 470

<210> 6905  
 <211> 456  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6905

tangctaaat tangctaaac tttcataagc tgcttgagct gagtctagtc ttacaagagg 60  
 gatctgtgga cgaaatatag ttttaagttaa tctaaaccta agaagggtgt cttaattggg 120  
 catagtcgaa caaaaaggat ctgaggacga aacttggatt gatttgggtct aatgagggat 180  
 cgagggttaa taatttacgc tacaacataa aacacaagag catgattgat tagagaaata 240  
 tatttatatg catcagcttg cttgttagaa agaccaaca tttctaccta ctgttataac 300



ttttacttac cttgcattnt atagttttta acataaagggt ttagttttaa ttctgtttga 360  
aattttcaat catacatggt ctcttaacaa tgctttatnt ctanacttaa ctcacgctaa 420  
cattagttcc ctgtgttcga tactcggatt cattcg 456

<210> 6906  
<211> 319  
<212> DNA  
<213> Glycine max

<400> 6906

aaatttcctt ttatgaatga tgctctccta caacctaaga caaggtagaa ggagataaac 60  
tgtacaagct caaggtttaa tcaaacaatc atactttcag ctcacaatgg gtgcaaggga 120  
taaaccaatc atgccccagg taagctttct agctaagtgg ctatcttcaa tcaaaacatg 180  
ggcttcatcc tcttcaaact catgtgtatt cattccatac tcagagattt atgtaaaagc 240  
cattacttac tgctagtcgt tctctcacia ttaaagatca cactctcact ggggttgccgc 300  
taatgcattc cttcacaat 319

<210> 6907  
<211> 299  
<212> DNA  
<213> Glycine max

<400> 6907

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ggttatgaaa gctaggagtc acttactgac aaaacaatac ttgaatgttc ttacgttcaa 120  
ggggaagcta agggttgtgt tagtagtgac ctaaagaatt cttgtcagac aggagagggt 180  
atggtagaat atttaattga atcacatcat tgattagtgg aaccatttac tattttatta 240  
acgagaacta cacatacgct agattgagtg aaataatata aactaagcgc ttctactac 299

<210> 6908  
<211> 363  
<212> DNA  
<213> Glycine max

<400> 6908

tgatcaaac aaacatctaa tcattccagt ccaactcaatt catacattct ctcattcaag 60

tcattcacaa acacttcatt cataagaaat cacaccactg aatatcataa ttaataagtt 120  
 cactgttcaa acatgctttt gtacaagcta tcaacactca aacaaccaa atttaaaaga 180  
 ctaaaattta aagactaata aagcataaac aaataattga catgaactac ataattgata 240  
 aaagaaacta ttcataattht gcaaaattht aaaaactatg tagaatttaa aactcatgat 300  
 catcctactg ctgatcttct gcatgctcgt tcagatccag cattggagca gctgggtgat 360  
 cct 363

<210> 6909  
 <211> 299  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6909

gcttgcnag ctcacataaa tgagaaaaga atcataaaac gtaccttgcg ttgatgtcgg 60  
 actccaacgg aggatgctcc acctcgcggc agtcacgaac cccaatggca gtcgtgaacc 120  
 ccagcaacaa cgatgggtgag gaggagatgg tgggtgacagg tcgcaaaagg cagtcacagg 180  
 tagcataaaa cgatgatagg tcttgcggggt ganagggaga agaggaaggc ttcgtttgca 240  
 atactgagcg cgcggggagaa aaagtggtht tgggtthttaa tttatgtata acacaacat 299

<210> 6910  
 <211> 443  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6910

tatacaagtg gattcaaact ttctaacttg tttttctttt tttaaaaatc aaacaggtcc 60  
 cttaagaaca aagcttaacc aagthtttcaa gttatacttc tattggatct attaagcaca 120  
 taaaatgaat gaccaagaaa gtcaaattac ttggthtttgc atctgcaacc atcgcggtcc 180  
 ataataatca tattgttgtc catagcccgt atgtgctcaa ggcaattaca gaacacaaca 240  
 ttgataattc aaccaacatt tctgtacaaa agcaatntga attggtacaa aagcaaggca 300  
 atatctaaac ctacctctct gggcacaata ttaacaaaat caattcacca ctataatatt 360  
 catcaacatc aacatanagg gtacacaata aaaaagaata agcacatgca caattataat 420

gacttgacaa ttacccgcgg agc

443

<210> 6911  
<211> 409  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 6911

agcttggtgc attntagtga aagaacaccg agtactatTT agtctcacia atgcaagaac 60  
tacgtaggtc tgagttcctc atcaciaaatt gaggatacgt aggagcaaaa gccccgcttt 120  
tgtcgaccac ctgcgctttt gctatcgtga cctgtgagtc cggTggcacg cggaaacacc 180  
cgatgggttat ccgcgcacac tntttgctat cccatgacct atgagTccgg tggcacgcgg 240  
agacacccga tggttatccg cgcacactct ttgctatcca atgaccaag ggtccggtag 300  
catgcagaga taccttcggg ttatccgcac ctttcgccag ctagaggcaa gcgagcccgt 360  
tgacatgcag agatcaacgt ggTcatctgc acctttcctg gagatgtca 409

<210> 6912  
<211> 458  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 6912

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aaattgaagg aataaaagag gtagagaagt ggaactttga agtatgtctc acaagactct 120  
cattcatcaa agttacaata agtgttacac atgcttctat ttatagacta ggtagcttcc 180  
ttgagaagct ttcttgagaa aacttccttg agaagctttc ttgagaaaac tttcttgaga 240  
agcttctttg agaaaacttn cttgagaagc tagagcttat ctacacatac ccctctcata 300  
actaagctca ccttcttgag aagcttcctt aagaagattc cttgaaattc tgatactggg 360  
gacagatgtc gtacacgatg tcacgacatc acgctttaga acatgcagat tatatttgac 420  
agtgtggtcc gtttaaacia atagataaca caagagaa 458

<210> 6913  
<211> 442

<212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6913

agcttctccn caattntcta taaatagggg gagaagtgaa gtgaaaaagg gttcagcccc 60  
 ttaggcactt ctctctcttt cgaacttgct tggaaaaatt gtttccgtga agaanatcta 120  
 agccgaggcg gttccgtaac gtttccgtga ggaatttcgc aaaggtttcg accgttcttc 180  
 gacgttcttc attcgttctt catcattctt cgatcttcaa cgggtaagta cctcgaacca 240  
 agttnttcga ttcattctat gtaccctggg tggccacat tatgtttcgt gtatttttat 300  
 tctcgtttca ttacattttt atacccctt ttgacgtgct taagccattt tatttaagtc 360  
 atttctcgct taacctaaga ataaaataaa tttccaccga tcgtttgaat tgattatccc 420  
 gtaacttcgg ttaaataaat tc 442

<210> 6914  
 <211> 389  
 <212> DNA  
 <213> Glycine max  
 <400> 6914

ctaagcttct tggaaacttc ttgagaagct tctttagaaa actttcttga gaagctagag 60  
 cttagttacg cataccctc taataactaa gtcacctcc ttgagaagct tccttgagaa 120  
 gattcctaaa gaacgtagag cttagctaca cacacctctc taatagctaa gtcaccttc 180  
 ttgagatgag aagctagaac ttagttacac acccctata atagctaagc tcaccccat 240  
 tccaaaatac atgaaaatac taaaaaaagt ccctactaca aagactactc aaaatgcct 300  
 gataggctaa aaccctatac tactagaatg gccaaaatac cacgcccaca agaggaaaaa 360  
 cttattctaa tatttacaaa gctaaaata 389

<210> 6915  
 <211> 272  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6915

ctcgacgaca tcactattaa cccacagata gaagatgccca caataatggt attgttggtg 60

tagattcgca tcttctttta gtgcatgaca ccgaggcatg cacttctcga cggctctcaa 120  
 caatggcgat gttgctgcaa ttatgtagat ctactctttt cgaactgttg ttttanggag 180  
 gatgagaggt gaacgtggag caatcattga gtgaggggca catgaataaa caatgtatac 240  
 cacaactagg gatttctaaa gggtgaaact ga 272

<210> 6916  
 <211> 379  
 <212> DNA  
 <213> Glycine max  
 <400> 6916

ctaagcttgt aataagaata catagaatcg tatattaatg agataaaaaa tatattttaa 60  
 ccctcgatat gtgtgataat gacttttttc ttacttttac gctaattata ctacttttac 120  
 atttaattat gtaaataata accatcactc acctatatag ttgttttcaa gataaaagac 180  
 taaatcttag acattttgat cattcgcta ttgtgatttc agataaaaagt ctatgatgag 240  
 tgacataaag taagtgaaaa agaagggtgta aagaaaaaaa cctcgcgaga aatgcaacat 300  
 ttaactgtat atgcagccta aggatacatc cagcgtctct tattacaaat atcatttgat 360  
 aacttcttat tatacacac 379

<210> 6917  
 <211> 354  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6917

agcttatgct gcanacatct acaatagacc tinctaacct cagcagcaaa atcaaccaca 60  
 gcaaaacaat tatgacctct tcaacaacag atacaatccc ggatggagga atcaccctaa 120  
 tctcagatgg tctagccctc aacaacaaca acaacagcct gctccttcct tcaaaatggt 180  
 gctggtccaa gtagaccata cgttcctnct tcagtgaac aacaacaaca gcaacagcaa 240  
 catcaataga gacaacaatc cactactaag gccctcctc aaccttcatt ggaagaatta 300  
 gtgaggcaaa tgacaatata gaacatgcag tttcagcagg agacaacctc aatt 354

<210> 6918

<211> 412  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 6918

tttggtacan aagaagaaga agaagaactt canagagatt tcaattgctt gttaaggatt 60  
 gatttgaaaa gcaaaagtat tcaagattgt tgctagaaag attgattgaa aatgcaaaac 120  
 aaagccttga ttttatagac tcttcatgtc tgggtcaagaa ggccattcag aagagttata 180  
 actttttaga aaaacttaaa acccatttga aaaagtcaaa acctttttga agagttacat 240  
 cttttgattn ttcagaaaca gtcactggta atcgattacc aaataagtgt aatcgattac 300  
 acaaagcttt tgagtgaag gatgtgactc ttcacattta aattttaatt tcaacgttca 360  
 aggtgtcgca acctaccctt cggcgggagg gcgacgcgtg actcgcgga tg 412

<210> 6919  
 <211> 417  
 <212> DNA  
 <213> Glycine max  
  
 <400> 6919

ttgattctag ttgacagcat gatgcctatg cattatattt cgtgtataat ataaggga 60  
 aaatatttct ctgtcgtgct ttggtacaac ttcatttggc catatatctg gttacatggt 120  
 ttatcacttg ctttgaactg gtttctctta aatgatctgg catttttaaat aaatctatac 180  
 gttttaattg aaagatttga ctttttcttg aacttcattc aagacttttg agttaagctg 240  
 tatgctttcg tttgaaatat taactacttg tatacttaat ttggtgtaat gcacttgtgt 300  
 aataaatgag aagggttaca ttctaagag tcatgattat cgattcttgt ataaatttcg 360  
 gatttacgta aaatatacaa gctatgatga aattgatgaa gagaaaacgt ggtggaa 417

<210> 6920  
 <211> 254  
 <212> DNA  
 <213> Glycine max  
  
 <400> 6920

caagtgggtc tggtttctat ttgcacaccc ttttttacta aatacacccc ctttactttt 60  
 ttctgtgcat cttttttcgt aacgttacga aactttacga atctcgtaac gatacttatt 120

ttcttttctgt acgttaccga accttacgga tcatgaaaat actctttttt agcttttcgaa 180  
 aaagttacga aaactcacgg attgtgtaac aatactctct tttgatttct gtcacgttac 240  
 ggaatttcac ggat 254

<210> 6921  
 <211> 422  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6921

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 atcgcatcca ctaacagacg ttgagcgccg tncaactgat ggtacttgtc accaccacca 120  
 cctgcttcaa ccataattca acaggaaaaa aaaaatgtgc aataaaaatt attaagggtt 180  
 caggacctca caacactcta ctcacgtctc ttagatggta gtacactcgt gtttaattgt 240  
 ctcaataggc tcttgtgtaa tgtattccct cttgcctttt accactcgtg tttcctctta 300  
 agttcctgga tggaccacat tagacacaca aggtaataa aaataaaaagg aaagacaata 360  
 taatgatcac aaacagattt gatttgggat aacaacttgg acttgattng gataataata 420  
 ta 422

<210> 6922  
 <211> 484  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6922

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 gctatttttg tattcattgt aactaacgga gattctaaat ttccacttaa tatgtgaaga 120  
 tgtacctttt ctgagacctt attgctacta ccatttagta gctctgggtc catccaaggt 180  
 agagttccac gaacaccacc agacaccaag gtatttcgct taatctttga taggcaaaaa 240  
 tcaccaacct ggtgaaaagc aagtttctta gctttatcac aatgaagaca atgtaataga 300  
 atgaataatc cacagcttga aaagatacct tgcattttgg ccgcatatga tccttcaagt 360  
 tcacgagcan atngtcacat ttcaagtcan aatgcacaat atttttcgag tgtaaatatt 420

ccactccaaa agcagcattc atgggcaata tcagtctctt gcggcgtcaa gatacctgga 480  
ataa 484

<210> 6923  
<211> 462  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 6923

nntttgtacg acaccttgta cgcaaattga ctgttaatcc tctcttgaat caatgaaatt 60  
tttatcgatg gatcttctct aatcatgect gtcaatagaa taacaaaatt taaatgacaa 120  
ttaaggctta acaataacat aatatgaacc taaaatacgt acctactaca caagtcacaa 180  
ttaaatctga atcaagtttc tcgtgatctt gggtcatggg catattgaga catgtgtgtg 240  
gtccacccca ttgagtgact ttccatgaat cagtcttttt agatagaatt gccctcatgt 300  
agaaaaggca aggacaatct gcatttctat taagcaacan accacatact tgtcccattt 360  
gctttcaacc actttgaaac tttgatgcac cctcataaca taattgtttg accgcattct 420  
ttgaccgcat ctttactatc aaattccatg ccaacatata at 462

<210> 6924  
<211> 374  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 6924

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gcttcaatct cttgaggatt agtcctcaac ctgcaaaatc tagagtaaatt gggtaaagat 120  
tccccctctt ccaataccac tggcgtctga aggaactcat tcaggctgtc tgcattctatt 180  
ttgatcaagt gtctctgtac tctggcttgc ttgggtgctt cctcctctgt gctgtataaa 240  
ttagcataaa actccttcac catagctaca tctatacttc catcttggag attggcgagg 300  
cgtttgtgta gaatacgect ctccaattcc actttaaact cgcaaactca gtatgataaa 360  
ttgcacattt ctct 374



<210> 6925  
 <211> 361  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6925

tcgatgatgat gaatcatgtg anttcaagta atttgataat gacatagatg atgatcanaa 60  
 gcccgaagaa tgatttcaga ttgagtcaac aattcaagat ccagttttaa ttgatgtttc 120  
 atgagaagaa atcaagaacg atcaacggat aagagaagtt tgattccaag attcaagaga 180  
 agaagaattc acgattcctg agaagaaatc aagaagactt cacaagggaa gtattgaaaa 240  
 gatttttcaa acaacaaaac atagcacaat tttgtttttc aaaagagttt ttctcataat 300  
 ttttaagttac cagagttttt actctctggt aatcgaatac ctgtttcctg taatcgatta 360  
 c 361

<210> 6926  
 <211> 305  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6926

tgacgcggtg aagganacga gtgatgagat aagtanacag ttttacgcgt tacggctaga 60  
 gggttctggtt ctggactcgt aacgttgtct tcttctcttt tagaacttaa tatataatcc 120  
 atgttttgga aggaatctgt tggttcatac tcgtgtcgcg ttcctccgaa atcacttgaa 180  
 cttgattctt catctcttgc ctctaataa atactctaac agcttcgctt gatttcaaac 240  
 tccgacanag aacaaccttg tcgacacagc aaagcacagt aacatattac gagaagaaga 300  
 tgtgt 305

<210> 6927  
 <211> 431  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6927

cagtcttctt tacttttggt gttgaccaca nagtggtacc tggagatatg tcgcgggggt 60

caggagaccc tgcggtcgtc aggtgggatg ctatttgccc aaaccaagct tgaccacatc 120  
 cgacccaaac ccggcatagt cagccagtga gaacctgtga cgaacctaac aggcgagctt 180  
 cctgcagtca accaataaaa gaacaaagat cacanaagcca ggaggcttgt gtgggtgntg 240  
 gccatctatg atatctgagt gggatctggc atttggcctc ttgtantcga ttaccancgg 300  
 tgtgttatcg gatacaaggc ttaataatgg agacaggaag taataccgcc tttggtatct 360  
 actaccacgg tgtcacatcg cttactcgct ataatcgata ctggtgctag gacggctcgt 420  
 tatccgctcc n 431

<210> 6928  
 <211> 338  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6928

tgagatgagg aagtgttgaa cggtgaaact tcctgctttt attgctgacc acagagtgg 60  
 acctggagat atgtcgtggg ggtcaagaga ccttggggac ctcaagtggg gtgctattgc 120  
 ccaaaaacaa gcttgaccaa tcccgaacca acccgggcat agtcggtcag tgagaacctg 180  
 tgatgtacct aaacaggcga gtccttgga gtcaacagat aaaagaaaca aagaccacaa 240  
 agcaaggagg cttgtgggtg ctggccagct gtgaattntg tgtgatatgt ggattatggc 300  
 ctctggtaat cgattaccaa ggggtgggtaa tcgattac 338

<210> 6929  
 <211> 486  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6929

gcttcagctc tggccactcc tgatagatnt agacatgccc aacacaatag tccctatatg 60  
 actgaagaag ggacaaatca attggacctc ctccaaatgg agggccaatt atcctaccaa 120  
 gatgtggccc tgactatggg tgtggctccg acttttgcta cagcttctag tgctgacata 180  
 tcaacacaat cgctttgtga tgtctctctg caccatcttt cctttgtcgc gataggcctt 240  
 tatgggaggg atcacgtnta gcaacatatg atgactgttt tgtgctagcc atttgaaaaa 300

aaatgaaaaa aaataagtga acatattaaa caatttatatt taaccaagac aataaaaataa	360
tataaanaac attacatttg tctaaagtaa ttaaaataaaa ataaaaaaat acgataaaat	420
catgaatctg gtgtacatta tgatgaatca cacaacggaa tngtgattca ttgtatatatt	480
tcatag	486

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<210>      6930
<211>      413
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      6930
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tgctgatggg	gcctcagaga	gccttcatgt	tgaggactac	aagtactgat	caatctaagt	60
gcgggtagga	atcggatatt	tatgggtaca	accgaatttt	cttggtaatg	agtattgtgc	120
ttcgactctt	cccagaataa	taatcgtttg	gaattttgct	ttttgttttt	cctagtgttc	180
cttcatatca	attttagtaa	ttcgggtgat	tgggtcaaacc	tgtgcaaaca	ggggagggga	240
tgtaactttg	ttttcttgat	agacaccacc	accttgctgt	taacgaggct	ttgtgtttat	300
cttgcaatta	tctttctttg	ggtttcatat	tatatgatgt	gatatntctc	taaatatttg	360
tacaaaattt	agataacgtg	ctgatagttt	ctaaaataat	tatgcaatat	aat	413

<210>	6931
<211>	320
<212>	DNA
<213>	Glycine max
<400>	6931

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ccattcaatg	ccttccactt	aaagccgagt	tcaatggtgg	ttcgtgcctt	cgacggcacc	120
cgccgagagg	ttaggggaga	gatcgatctc	ccagtaacata	taggccctca	cacctgtcaa	180
gttactttcc	aaataatgga	tattaacccc	ccctacagct	gtctggtggg	gcgcccgtgg	240
atccactcag	tgggagttgt	tcctctaca	ctccaccaa	agttgaaatt	cgtagtgga	300
gggcactctg	tcacgtatc					320

<210>	6932
<211>	457

<212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6932

tgtagactgg ctagacatga tacatgtcan ggttnnggtt ggttcaatga taaaagggat 60  
 gccccacatt atttccatga cacaaatgca aaaatgatga tttggaaact ttatgcaaaa 120  
 ctgggtcatgc atgcacctat gtggacactc aagtgtcaaa attttttatg gtcattgtgat 180  
 gctaaagctc agaattcatt tcctctattc taaatcaacc caatgtttcc aaaatatggt 240  
 cttttatcaa tttgtgcatt catccgagtc catttcgggt gtccgngaa atttcacagc 300  
 attcaccctt cagggtgtaga cacattttta aaaattgggt atgatcaatg aattttttca 360  
 cagaaaagtt ggaaatcatc tctcttcaaa gaatgtcngt ccttagctag acacctaatt 420  
 tcttttttcc attttttcta ctgtcttctt tttctat 457

<210> 6933  
 <211> 417  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6933

agctnnttgg agtagaaaca tgggaccaac tcattntatt tcataaagtt gtatctagtc 60  
 aagggtctgag agaccataca agtttcctag cgattttctaa ttatgtgggc cattaagtct 120  
 atcatatgct gacaatagcc gagaagccca tgaatttctt cgggggcgga gtaggtgtcc 180  
 gccatgcct tggccttggc taacaatcgg ngaagttcct gactcccggt caaggtaaga 240  
 gcaaaccgat ccatccacat ggttgctct agcctctttn tccgcgtata cttgggcata 300  
 ctggtccgag atcctatgcc cgtgggcccgt ggctagacct aactcttctt ggtacttggc 360  
 gatgatagct agcatgttgg tctccgtctc gcataaacgc tgagacaagc ttctttt 417

<210> 6934  
 <211> 428  
 <212> DNA  
 <213> Glycine max  
 <400> 6934

ctaagctaga catacatatc tcttcttgat acactaatc aaataatcta tttcatggtc 60

[illegible]

```
<223>      unsure at all n locations
<400>      6935
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<210>	6936
<211>	511
<212>	DNA
<213>	Glycine max

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<223>      unsure at all n locations
<400>      6936
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taagtgattg acatttccat gatgctaatac agaagctgcc atttttatat ccacgagata 480  
 ttactcctta tctttatggg gcatctctac g 511

<210> 6937  
 <211> 118  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6937

agcttggtggg ctgctgttct cgtagttccc gtgagcttgg tgttgtnntg aagtgaaagg 60  
 gaagagtttt ggggtgaagaa aatgttcccc ctccaccctt atatattttc gtacaggg 118

<210> 6938  
 <211> 414  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6938

cagctcgccc aggcgagcac ggttgcttcc ttcagaagca acaaccttct ggaggaagga 60  
 tcttgaaggc ctaagtgggc cagattgcta ttcgtacccc ccctttntac taaatgcacc 120  
 ctcatattatt tttttggtta ttctttttct gtaacgttac gaaactttac gaatttcgta 180  
 acgatactta ttttccttcc gcaagggtac gaatccttac ggattatgta tttactcttt 240  
 tttggctttc gaagaagtta cggaaactca cggattgcgc aaaaacacct cttttcgatt 300  
 tccgccacat tacggaattt cacggatcgc gcaagcctgc ttgcttttga tttctgacac 360  
 gtctcggggtc ttcatttatt gtgcaacaca ggacgccaag tatctcaaag cagc 414

<210> 6939  
 <211> 180  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6939

ttttcatgtc acttttgatc acaacaatct ctcttttaggt cacatttggc acaccctttg 60  
 acttctcctg aatctaagac tcttaagtat ctgttaaacac taagtcactc ttggctntca 120

caaacaaata tgtttgaatg aacacaccaa ttcaatcact ccatagagta gataaacact 180

<210> 6940  
<211> 446  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 6940

agcttatgtn gtcttatgag aggtatttat tagcttgac agcttgctat ttaatataaa 60  
tacatacata cttacacaca cataaactg ttaggttgct ttatgggatg tgccttata 120  
atttattaat gttaaactga cgcgtcctct actctgactg gtcatttacc taattttata 180  
cttgattctt tgcatactat aggctagaca cgggtgctct ctccttaata ttctttcaaa 240  
atactgcatg ggtacttagt catcccttat atacggcttc ttatctcttc aactattaca 300  
tctgttattc aattncatta gtttcatatt catttatggg gatatcttat ataactacct 360  
tgcaaagatg atcatgtgat tataactata tgatttttca tattcatggt tctcatattc 420  
attcattgga attccttaat attctt 446

<210> 6941  
<211> 453  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 6941

tactcattgn gaatccatgg gaacctaaat gctcgaagtc tttgtgcaat agnaaattcc 60  
acaaaggcat tttaatgctt aagttaatga aaaaaatgca ttgtccagta tgtcacgatt 120  
ttggatcatc ctacttgaac gtgtgtccct ttatatacat tgatatctta cattcaaata 180  
tgaaaagttg tatcctttat tgaaataagt aaagttagaa aataaaatga ttttatctat 240  
aaaaggataa aatcatgatt ttatcttggt atagaattaa agacaataaa ggtagttaag 300  
ccatgatctt tagagatatg gggatataac taatatgatt ntggaatcaa tcttgattga 360  
gaattcatca atgattatcg acccttcac tcttcattga agacatatga agtgacagtt 420  
gacctgcaca aaacaatatg ggtagatgac atc 453

<210> 6942

<211> 343  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6942

agctntgaat tcattctatg tacccttatg ggtccattct tgctttgtat gccttcatct 60  
 tcattattct accgttgata ttctttttct ttgttttaag agagtttcaa ccaatcattt 120  
 aagccgtaat ctactttaat caatgttaaa atgaatttca actgatcatt tgtgttgtaa 180  
 tcttgtttta tcacctttta aataaaattc aaccaatcgt ttatgttgta acatcggtta 240  
 atcatcacia aggtaagttt caaccgggtca ttactttga aagttctctt ttatgagttg 300  
 aaaataacca agtgaaacca aagctaatat caactcacia atc 343

<210> 6943  
 <211> 301  
 <212> DNA  
 <213> Glycine max  
 <400> 6943

catataaaac aataacatat aggtatttct ttctaatact gattatataa gaattttatt 60  
 aaaatggcca cttgattggt ttgaagactt gataacaaaa ttattagaaa ttttatttaa 120  
 ggttctatct tattacattg gattccttag actattacat atggtagaag taataaatgg 180  
 ggactatcag gtataacact aagactgcaa caatgggtcct ccacgacatt tttctgcccc 240  
 aaaaagtttg aaggaataga ctgagcatgt ttgggtttacc gtcagagctc ttgcatatgc 300  
 t 301

<210> 6944  
 <211> 430  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6944

agcttgcttc tacaaaaaga atacacacac atgacctcta tttatagcct aagtgtcaca 60  
 ganaattgga ggggaaattg aatnttctat tcaaatttca cttgaattag aaattgaatt 120  
 tatggagcca aatttcggag ccaaatttcc actaattatg attcgtgaat tttagctatg 180



gttcaacca ctagtccaag atcaagtcca agattctcca ctaagtgtgc ttaggtgtca 240  
 taagacatgt aaagcatgaa gtatatgcac aaagtgtgac tatatgatgt ggcaatggag 300  
 tgtagcanac aaatgctcac ctccccgtct aanattaatt agattgggct tcncaaattc 360  
 aattaattta tttccaacaa cacataaata ttcattaatg atgtganata caaactaccc 420  
 taaacaaact 430

<210> 6945  
 <211> 336  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6945

gatgttcaaa atcacccata acagaatgca cagattcacc aataatggaa tgctcaagat 60  
 gatcaaaagg tataaaatga tgcctaacta atctatgaaa tgccttatct atctcaggat 120  
 caaaggggtg taagtcagat ggattgcctc tagtcataca ctacattcag catgcacaac 180  
 tagttgcctt gtcatgtaaa taaaggtgca ggtttgaact acagctaccc tcaagtgata 240  
 tccaaatgac tttgaaatgt gtgagcaacc ttataaatg atgagaagat agcacancaa 300  
 aaattagaca aaaattcaaa gtctaactat gaaagc 336

<210> 6946  
 <211> 356  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6946

agcttcatga gagtgtgaag aacatctaga agaattttga ttctgctctt gtattcgaag 60  
 agaacggtga atccagcaat gaaggtaatt aattccagta cttcctagta cttctctttn 120  
 gtttctgaat ggattactct gatgtgctgt gcgtggatta ctatatgatc gagggaggta 180  
 gatgcacagt tcattaactg ctgtgagata atatgagtct tgaattgttg gatgggatgt 240  
 gtgttctcta tgtgggcaat tttcagattt gacactgatt ggagccatgt gctttttctt 300  
 gctgtatttc agaagcccga tcatggccta tacctgctga caggaaaacc ctatta 356

<210> 6947

<211> 399  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6947

agaatctacc tctcaaagt atttatcttg ctctctatnt gctaaaattc cccgagccct 60  
 cactacacac tctctacctt tgtttatata caactttcct ttcaattctg ttatgacaga 120  
 atattctccc ttggccctcc ttttcttcct attatagaca ttcttctatt aagagtatta 180  
 tatgcatttc taataagacg tctaaccac atgggtgaaa gtgatacaaa aaaataattc 240  
 tcttacaatc ggtagaggga caacagaaaa gagtgcgctc tgataatata cgctgaaaag 300  
 cacaattgtg catgttanga gttctaaaaa gttttgactt gagattcatg tgccaccacc 360  
 atgtacgaag tgagatacaa ttacacaaat cttattgct 399

<210> 6948  
 <211> 310  
 <212> DNA  
 <213> Glycine max

<400> 6948

catattacat gtcataacg gtatttggtt ttttaaaact tagtgcaatg aagtactttc 60  
 gaaggtaagg agaatggaca tccacctcaa tggattgaac caaaggatg tcgttattcc 120  
 cgtattgaat gaaatttcaa ataaatacca tgtgttacct acaaagaca aagcttaatt 180  
 gggatatttc atattgcacg tagagtcatg tacaagccgg agggatgag tgtggatatt 240  
 atgtcatgca ttggatgtgg tgcatagtca gcgacggact gaagaatgaa tggaacactg 300  
 tatgcatact 310

<210> 6949  
 <211> 440  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6949

tgctctaagc agctactgtt tggattgcag tatgccact tagctttcct ttattcactt 60  
 gatctctcaa aaatgaaatt gtgtcttaat gtgcttactc ctttcataag ccacaagatt 120

ctttgcttaa tttacaaaga tgactcaaat gtaaatacatc aattgtatatt ggccatcatt 180  
 cttcaagtgt agctcctcta ataatgcttc aagccacaaa gctggacaat ctccataaga 240  
 gtttgcaatg aactatgctt catangacga gagtgaacc atgacgcaa agccttgctt 300  
 aacataaaaa catatcctct tgggctcttt ctgtctttnn tatcttcaaa ctaatcaaaa 360  
 tcaaatacct tctattntgt ctatccgcat catcttgaat gtttggaac aatagaccat 420  
 aatcaagcgt ggtctttatg 440

<210> 6950  
 <211> 372  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6950

gtcacctgcg gctgcagctt acccttactt gcaagaacca cttctcataa caacaacaca 60  
 cactttctctt gctatgtcca caacagtctc cttagtccat aagaaattca taatactggt 120  
 gtatctagtt cttttaaact ttggcatcan agactaggcc atcctaaciaa ggatgcacta 180  
 gaaattgact aaataaatgt aatataccct ttatcaataa aactaacagg ggatttttgt 240  
 aattcttgct ctatagccaa atctcaciaa ctaccctctt ctccctcttt cactgggtat 300  
 actgcacctc ttgaatagta ttctttgatg tttggggccc tcttcagtag agtcatctta 360  
 tgggatctta ta 372

<210> 6951  
 <211> 402  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6951

ctgaagggtgt gntaaccac cattttttca tagtagaaca cctgtcacgt gtctactatc 60  
 attgtgataa tctctttctc tcgttttggg ggtgtactt gagttgccaa gcctcttcat 120  
 ctttgggcgt gttctttgaa agatccgtcc ccccttttgc acacgttctg tagttgcac 180  
 ctatccgaag ccatatcaga attgtactga caccgcctaa cgaaggcaac cattaggtcc 240  
 ttccaagaat ggactcaaga aggttcctaa gttagtatac caggcgacag ttgtcctagt 300

[illegible]

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<223>      unsure at all n locations
<400>      6952
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<210>	6953
<211>	250
<212>	DNA
<213>	Glycine max
<400>	6953

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gatgcaatcc	ttcctaggaa	gggaccaatc	actagaacca	tgagccagag	gctccaagaa	120
gattgggcta	gagctgctga	agaaggccct	atggttctca	tgaaccttat	gatagatttc	180
tgagcccatg	ggccaagggt	gggtccaatt	atctttgtac	atattagact	aggatgtcat	240
tatatttggt						250

```
<223>      unsure at all n locations
<400>      6954
```

gcgtttatgc gagacggaga ctctcatgct atctatcacc gccaaagtacc aagaagagtt 60  
aggtctagcc acggcccacg agcataaaat cgcagatgag tatgctcaag tatatgcgga 120

acaagaggct agaggaaggg tgatcgactc ttacaccaa gaggaacaa tgtggatgga 180  
 ccggcttgct cttaccttga acgggagtc agaacttccc ttgttgntag ccaaggccaa 240  
 ggcgatggca gacacctact ccacccccga agagaatcat gggcttctcg gctatcgta 300  
 gcatatgata gactttatgg ccacataat tagaaaatcg ta 342

<210> 6955  
 <211> 467  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6955

gcttaagctc cttcaactgc acaaggctct taatatttga agagtattct tgtggaacct 60  
 tcacctgacg aagacacttg aaaaaactta tctnctcctt cttggacaaa gtatggcaag 120  
 ctgggggcaa gtaacttttc ttcccatcag accttggatg caactgtgat cttataccca 180  
 tatcagctag atcttgacgg gtattcaagc catccttcgt cttgccttga atggtaagga 240  
 gcgteccaat cacactgtca caaacatttt tctccacatg cataacatca atacaatgtc 300  
 taacgtcaag atcacaccag tacggaagat caaagaaaat ggacctcttc ttccatatgc 360  
 aactctgact ttatccttc ttttgggtct tcccaaatat agtggtcagg tgttgaaccc 420  
 gctgatatac ctgctcacca gtcaacggta tcgacgcaat atcatgc 467

<210> 6956  
 <211> 208  
 <212> DNA  
 <213> Glycine max  
 <400> 6956

ttccagcatc tcgttatatt actggactca atccgacatc ccagtaataa ttattgccgc 60  
 ttgaataggc tcagagggtc aacattcatc tatgagcgtc tcgatatatt atgggactca 120  
 atcacacatc ccagtaaaaa gttatcgctg tttaaattgg cacatagggt caacattcaa 180  
 tttcgaccgt ctgatatat tacgggac 208

<210> 6957  
 <211> 417  
 <212> DNA  
 <213> Glycine max

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<223>      unsure at all n locations
<400>      6957
```

ttctaacgac	aataactgtn	tactcggatg	tinctgattga	gtctagtaat	atatcgactc	60
gctcgaaatt	gaatgttgaa	gctctaagcc	ctattcaaca	acaataacgg	tttactcgga	120
tgtccgattc	agtgacgtaa	tatatcggga	tgctcgaaat	tgaatgttga	accttctgac	180
ccactcaaac	gacaataacg	ttttactcag	atgtctgatt	gaatcccgan	atatatcgag	240
acgctcgaaa	tngaattgttg	aagctctgag	ccaattcaaa	cgacaataac	tttttactcc	300
gatgtctgat	tgacgtccgc	aatatatcga	gacgctcgaa	attgaaatgtt	gaacctatga	360
gcctattcaa	acgacaataa	ctttttactc	tgatgtctga	ttcgagtcgg	taatata	417

<210>	6958
<211>	324
<212>	DNA
<213>	Glycine max

```
<223>      unsure at all n locations
<400>      6958
```

agcttggaact	ntctgtngtc	tgggaacctc	tncctttctca	ngtgtaccca	aaccacaatca	60
ccttggttcaa	gcacgacttt	ctttttgctt	ttggttggett	gccttgcata	gctcacaatt	120
ttcttttcaa	tttgagcctt	cacttgctca	tgcaacttct	tcacatactc	agctntagcc	180
tgtgcatcat	tatgcttaaa	catagcaatg	ttaggcatag	gcaacanaat	caagaggagt	240
caaaggaata	aatccatata	ctatctcaaa	tgggtgaacaa	ttagttgtgc	tatggacagc	300
tcgattataa	gcaaactcaa	catg				324

<210>	6959
<211>	453
<212>	DNA
<213>	Glycine max

```
<223>      unsure at all n locations
<400>      6959
```

```
tcaggctggt caattgcttc agattggtgc acagaagggc aaatgtctgt gtggtggtcg 60
gcagaggagc ataaaccaca gagtctagcg acaagtgc attttttatt catggccag 120
tggttacta aggtaaccaa ggcattctaat ttaccttcaa gcttcttagt ctcagctgat 180
```

gaaaatgaat tcgtggctac ttcatgcact cctctaata ga caatagcatc atttctggca 240  
 ctaaattgct gggagtttga agccatcttc tcaattaaat ttctggcttc agcaagggtc 300  
 atgtctccaa gggctccacc actggcagca ccaatcatac ttctcttcat gttactgagt 360  
 ccttcataaa aatattggag aagaagctgc tcaaaaatct ggtggtgacg ggcactggca 420  
 catangtttt tacatctctt ccagtattca tat 453

<210> 6960  
 <211> 351  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6960

agcttgcttg tggngcttct atggaggctg gatctttgtg cttcaatgag gtcctttaat 60  
 ggtgattctc caccatggag atgcagcgga agacaaagga gaagagggtga gaagaggctt 120  
 catccactaa ggaataagcc atggaagaat gagcttcacc accaagatga gccttggata 180  
 agaagcttgg agaggatgct tcaatggagg aaaagaaaga gggagagaaa gagagagggg 240  
 ggagcacgaa attgaatgaa gaaaaagga gagaagttga acttngagtt gtgtctcaca 300  
 agactctcat tcatcaaagt tacaacaagt gttacacatg cttctattta t 351

<210> 6961  
 <211> 401  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6961

ttattttcaa gtgttattca cttatttttc ttaacctacc aattntagat ttgatagtta 60  
 gactntgaat ttttgtatga aattttttgt gctatcttct cattatttta taaagggtgct 120  
 cacaaaattt caagtcattt ggatattcatt tgagggtagc tgtagttaa acctacacct 180  
 ttattttacat gacaaggcaa ctagtttgtt gcatgctgaa tgtagtgtat gactagaggc 240  
 aatccatctg acttacaacc ctttgatcct gagatagata ggacatttca cagattagtt 300  
 aggcattcatt ttataccttt tgatcattct gagcattcca taactgggtga atctgtgcat 360  
 tctgttattg gtgattntga acatcctgat cttgagcatt a 401

<210> 6962  
 <211> 452  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6962

agcttgtatt catttgatgt atcatattga gcatcataga gttgctcatc aacatcagac 60  
 attggcctat gacaaataac agtagctcta ggatctgtct caatgatata ctcgttggct 120  
 tccacaagag atgcttcaat gattgactga agcatggctt cttcaaaagc ttccttttca 180  
 ggagggccat gtctttagga gtagcggcaa cttctatctt tgcttgtctt taagcaagat 240  
 ctagaaaaaa gaattgtgct gcaagtcttg cttcaaattg agctcactct agttcttcca 300  
 tctaagcatt cttcatctct ggtttaaatt atgcatgtat tgattcaaca atgacagatt 360  
 ttggcactac cttcaatata taagacatcg tctgtggagg ctaaaaaggg gatatcaatt 420  
 ntacctattn cattaatctt tcccttacct at 452

<210> 6963  
 <211> 410  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6963

ngaactctgta caagttcatc anggatgggc tttgttttag aaacagaagg ctnctttact 60  
 tcggcagctt tagttttctt agttaacctt gcatggagat ctcgcacaga agtacccttg 120  
 gctactttct ccaatagttc attccgagct gcttcatatt ctttctaaca taattaatac 180  
 gagtaaaata tatcaagcta atgtcgaatt ccggcttaat aggagtggga aggatcctag 240  
 aatcaactta gatgcggatt atgagtggga atatcaataa acctagagaa tacatacaca 300  
 tagcattaat aggagattgc aaagactaaa ctttttcaga ggtagttatg gcaagcataa 360  
 tcaagaaaca ttaccctcga tacattcaga anaatagaat tgatatattc 410

<210> 6964  
 <211> 424  
 <212> DNA  
 <213> Glycine max



<223> unsure at all n locations  
<400> 6964

agctngatca aaacaattat ctaatcattc caatccactc aaatcatata attgttcatt 60  
caaatcattc tcaaacactc atttcatata aaacaatcca ttgcatatca ttntcaatca 120  
tttcattggt caaacaagct ttttgggtaca agcaaacaac tcanagtgtt gaaatttaaa 180  
taactggaat ttaaagaatt gaaatgtaaa aactgaaatt aaaatgactg aacataaatc 240  
ataaaataat tgaaaataaa ataaactaaa aatgttcaag atgcactaat ttatatgtcc 300  
tgctcttggg ggtgggtcttg tgcattgctca ttaagggtcca acacctgagc aattgggtgaa 360  
tcctgagaga taggctgtcc taacttagat gctgggtgcag atgggtatggc atcatcaggt 420  
atgg 424

<210> 6965  
<211> 355  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 6965

ctaagctatc ctatgctngc ctccgactta cccccgtgca cctcgaagat taagcagccc 60  
ctactttcag ggcactccac ttatgacact aatccggcag acatgaggaa gaatactatt 120  
tggtccctgc tcacctaaaa atcggtcccc atgaactacc caccgacata atcgcatatc 180  
cggtttacca cactgtaaaag aatttgtcct tccagagata agggaagatg agcgcttgag 240  
agaggtaaga cagtcggggc cttggaatta cccatcttcg atttggcgat tatctctatg 300  
ccaacatcgc atccttccaa gtcaagtcca gacttgatag tacaaggaca catgt 355

<210> 6966  
<211> 286  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 6966

agcnnnnnn cctgccacac acggttatta ttatnnnnnn tctactgat gagaaagaaa 60  
aaacaagagc taaacattaa taaatacca acactgcatg ttcttattta ttctcaagat 120  
cgaccctcgt tcattgcgatc atgtctgttc ttcatnnnna tttttctttt ccattgccat 180

gctttctctc tttatatatt atttgtctgc ttatttataa tttttgcagc gtcttagaaa 240  
 ctttagatat cgcgcaggtt tcaatgtag tattctgggtg agatct 286

<210> 6967  
 <211> 360  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6967

ntaaaagctg gcttgtaagc agccatttca tagatacaac attctgtcaa atgttatgtc 60  
 aaaccaaagc acaaatacag ttaaaaagat attgtaatag aacgaaacaa aaagaagtat 120  
 taagttttcg caatctctag aatacaaaaag ccattctatcc taccacaaaga ccagatatct 180  
 gacttagagc catacggat atcagcaaga agctctgggc acatataact tggagtgcc 240  
 acaacctaag ttttagagcaa gaacaaatag ctcatattt ccccaaaaaa tgttgaaaca 300  
 gtgtacataa cagaactttg gtaatatcac tcaccgacga agcaagatca tcagatgaca 360

<210> 6968  
 <211> 440  
 <212> DNA  
 <213> Glycine max  
 <400> 6968

ttatttagta accatgacca actattgaag aacgtcgcag aacggttgaa gcctttgcga 60  
 aattcttcac ggataacgct acggaaacgt ttcggaagcg cctcggctta gattctgctg 120  
 actgacacaa tttcttctcg ctaactcgac agagagggaa gcgcctaagg ggcttgaccc 180  
 gtttatgcat cactctctga cctatctata gcaaaatacg ggagacgggt gctcgccggc 240  
 tcgaccaggc gagccacgtg ctttctctct ttggaggaac tttctggaag gtccaagagg 300  
 gcctggttgc tattagcccc ctcatctaca acgaacaccc cgtccgatat tctttggaga 360  
 atctttcttg aaacagcacg aagcttcgaa ttttaacaaa ctggtttctc ctggttggtc 420  
 acaagctgcg atacgtcacc 440

<210> 6969  
 <211> 362  
 <212> DNA

<213> Glycine max

<400> 6969

tctaaacctt gtacaagaat gaagctctga taccacttgt tatataagtg gcctcaaata 60  
tcctaagaac ggcggggggt gcagtaagat attccaaact gtttccccta atttaaaaat 120  
tattttactt tttactcaag gtattaatct cctcaatgac aatcgtctta aatatgaact 180  
caaaccaaac caccttgata tgaatatata gcaaacataa ataaacgaga ttaacggaaa 240  
agaaaatgca aacctcagtt tatactgggt cggtcacacc cttgtgccta cgtccagtct 300  
ccaatgcaac cgcttgagaa gtccactaac ttgttaattc cttttacaag ttctacacac 360  
ac 362

<210> 6970

<211> 368

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6970

agcttccana taatttcgtt aactctctat aatacttcta gaggaaagtg agatccataa 60  
attttcattg tttgggactt ggatgcatta gccgtgttta gtctaacata ctaagtgaag 120  
tttatgaaga aatataagaa acgaatctac cataatgttg ttaatgcatg ttcttttatg 180  
gccaaatgga aaattgctaa tgcattgtat acgtactact aatgggttctt tagttctact 240  
ctgttntgat tctcattacc tataagtgtc atcatattat ctgaattcaa ttacctttc 300  
tctgttatgg tagggaattc ccgttttcac agatccaata gctccatgta acatcagggt 360  
tgatgact 368

<210> 6971

<211> 345

<212> DNA

<213> Glycine max

<400> 6971

tgtagagtgt ccatgttatg ttcttagaat tcaaggacta ggagacctcc agaaaaaagg 60  
ggattaagga gagcaaattt attgattgtt attgcttgca tttctattac aatgattgtc 120  
catttataag caccaaatac ttattctagt tccttctaca agtcctacga gggaggctaa 180

caataatgga ttttggaat atcctaataag aaagatatat tccagcagac agaatatcct 240  
aattgtccat gttatgttcc ttttagtgct tgtctccttc ttacctgcta gcaattcttc 300  
tgtgttggtt gcctcatcat aacatttctt ggcccatcaa aaaca 345

<210> 6972  
<211> 406  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 6972

agcttattga tttgtcatga attgaaccct gaactttaaa tgagtatctn ctaaatacct 60  
tggttagatt ctaggagatt atatgggtcc aggaaaattt actctaaaat tgggggaaga 120  
aagtcaatta taatgaaaag aaaaagggtta agcatcaaca cacacaacaa ataagttgta 180  
tgttaaaaaa aataagttgt gttgtacaaa aaggctgaaa gtaacttaag aaaagggaat 240  
agtgagaagg ctatttgtag aaaacaagaa aagatcattg ngattagtct aggacttggt 300  
ctctcttaga atctaaactt tcgaatccta gaagaaccag tgaaaaattt tgtagccaca 360  
acctcactac aagcctgaga aagccttctg atctattata tatttc 406

<210> 6973  
<211> 451  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 6973

tcaggttggt caattgcttc agattgttgc acagaagggc atatgtcttt gtgatgggtg 60  
gtagaggagc ataaaccaca gagtctggcg acagggtgat atttttgatt catggccagt 120  
tgggttacca ggttaaccaa gacatctagt ttaccttcaa gcttcttagt ctcggtgat 180  
gaagatgaat ttgtggctac gtcatgcact tctctaatga caatagcatc acttttggca 240  
ctaaattgct gggagtttaa agccatcttt tcaattaaat ntctggcttc agcaggggtc 300  
atgtctccaa gggctccacc actggcagca tctatcatac ttctcttcat gttactgagt 360  
ccttcataaa aatattggag gagaaagcct gtcagaaatt ggtgggtgagg acaacttgca 420  
catagtttct taaatctctc ccagtattca t 451



<212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6976

agcttctact tatgtggcan ggcgggcttc ctttaccttc ttgtctacaa cgtgaactnt 60  
 gaccattggt cttccttccc gcgatgcttc ttttcatgta cgcctgagtg ggcttatagc 120  
 ctaaaccata cttgccacga tttccttggg tatttatcag gctagttatg ccgccgttgt 180  
 tttttcctaa acccatcccg gggttcataac cgttcccaa cataactcgg gccatcatta 240  
 ccgctgcac ggacagacaa tgctgccccaa agaggagtc cacggaggaa atgctgacca 300  
 cctcaaaaga ctggaaagca gtttctgacg attcttc 337

<210> 6977  
 <211> 444  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6977

agaggattga tggngaccn gtgtngagag aaacgaagat atgggctacg tgggaatacg 60  
 tgagccta at tggaggtggg ccacnaggga tgggtgggttt attgcgcgca ttgtggattg 120  
 tggaaaagct tgtgtgcacc attcggcgaa ccgcacctag tacgacatgt gatgggtacc 180  
 ccataatcct accaacttga gatgaggaag tgttgaacgg tgaaacttcc tgcttttatt 240  
 gttgaccaca aaatggtacc tggagatatg tcgcggcggt catgatacct ttnggacgtc 300  
 atgtggggcg cttatccac aaccaagctt accaatccac accaaccggg catatttgtc 360  
 tattaaactc ttactactct actaggcact tctgctttca ctctataagt acccaccct 420  
 ctgcccagat ctgcgcgacg cccg 444

<210> 6978  
 <211> 313  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6978

tacacttctt tcagagaaag gagcttaaca ttttcttctc aaaaactgaa aataacacta 60

ctaagtcttc aatctgtact taatgatgct gaggagaaaa aaatcactaa tcctgctatc 120  
aaggaatggg tggatgagct cacacacact ctctatgacg ctgatgagtt gttagatgag 180  
atcaacaccg agacattgtg atgcaaagtg gaagttgtga cctaaagtca acccattggc 240  
gattaggcgc caaacgtgct ttcttattct ttcanaaggg tttatggggc catcaattat 300  
gagatacaaa gct 313

<210> 6979  
<211> 463  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 6979

taacaatcag tgtcatacta tngatcaaaa canagcaggt attaatatgc catactagac 60  
tcaaaatatg ccacaaacac tagacctaaa tcagtgtcac agaaattgga agaaaatatt 120  
ttatccaagc acaaacttca agccttattc catgtattgg ggggaagtta tggctggcca 180  
tatgggtaga ggtgtcataa aggagcaagt atggaggaag ggaccttgga ctgctgaaga 240  
ggacaagttg cttgttgagt atgtcagggt gcatggtgaa ggcagatgga actctgttgc 300  
tangcttgca agtaagaaac accaaacttt tttcactggt ttgtttctta atatatatga 360  
ttcggatttg acatttataa gtgacaatat agcacaaaaa caactgaaat ngttttcaac 420  
ttctactgtt catngtggct acattcatgt tcacccgaag etc 463

<210> 6980  
<211> 390  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 6980

agctntanaa agttnggggt tctaagctgg aattacattt gtgcacctat ttngattttc 60  
catgcccgtc ncacatacat aanacagccc caccatccc aatttttgca aatcatgttc 120  
atataccatn ggngcatttc atcgagcact cggtgggcgc acgtntagac aaaaattgca 180  
agagaatggg agcaatgtgg catgccccat tgtttcagaa tacaacctan gcctaaggcc 240  
ttttcattca tatectcaat tcaagaagac aagcaccaaa gcaaaccaac actgccttac 300

aaatataagc atgttctcac aattcgaggc accaaaagat gaagaaagca catcaatgga 360  
naacaaaaac atcaagtatg ggacacttac 390

<210> 6981  
<211> 450  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 6981

tctactaact taagagatac atgcagggca cactgatcat tatattatta ttagacttgg 60  
ttggcttaaa aaatagcata gaaaaattga ctttttctct tctcattgag atgacctctc 120  
tctcctagct aggggttcct tccttggttag ccttgataa gcttcttcta cgtgtgaaac 180  
actatTTTTT ttttTgtgtt ttgtttgggt cctccatgga tccctgggc tacttgagaa 240  
cttatccatt gaagaaaaca ttctagagac actaattcca gaagatgcca ttgcggatga 300  
tggtcccaat ctatctcttt atctcgttgg acgttnttta tgaaaagaac catcagaagt 360  
tcctcatatg aaggagagga tggttgaagt ctagcaccca ccattagaga ggtagatcaa 420  
gggatttttc tctttgaatt ctctcatcat 450

<210> 6982  
<211> 345  
<212> DNA  
<213> Glycine max  
  
<400> 6982

agctaactaa tcaaattgga caattggcta ctcaagttaa tcaacagcag cccagaatt 60  
ctgacagatt accttctcaa tctgtctaga atccccaaaa tgggagttcc attacattga 120  
gatcgggaaa gcaatgtcaa agacctcaac cagcaacatc ttcctcatct gcaaatgaac 180  
ctgccaacc tcaactctact ccagaaaaag atgatgacaa aaatttaaag agtaagttac 240  
ctaacaattt ctatgaaggt gaatcttcca cttgtaattc tgatttacia aagcagcata 300  
tccctcttcc attcccttca agaagcaatt ccaacaaaaa aatgg 345

<210> 6983  
<211> 455  
<212> DNA  
<213> Glycine max



[illegible]

<210>	6984
<211>	331
<212>	DNA
<213>	Glycine max

<210>	6985
<211>	442
<212>	DNA
<213>	Glycine max

tgtttctcca	cctcatgatg	attatgatta	tgacttctat	agaaaacatg	gtgatattcc	60
aagccctggg	gttggtcatt	aagggtgagta	togatctatt	gatgatattt	ttgatagacc	120
tattgcttct	taattaattg	acatatgtat	tttcataaga	tacagtttgt	tccttttttc	180

cttttagatt ttgtttcttc aatgttctgt tggccatttt gtgatactgt tcttggttctt 240  
 cgtagatttg gctatgattg tgattatggt tttggggacc aaaacttgcc tattgggtcaa 300  
 ataccgtgcc gaagacgatg atgtgagaga tgttntatat ggatcgtggg cattttagtt 360  
 gttggttagt ggttatatga catacaaaat tgaggataag ataaatcgaa tttataaaga 420  
 ttcgtttatt tatatagtga gg 442

<210> 6986  
 <211> 283  
 <212> DNA  
 <213> Glycine max

<400> 6986

gctgcaagat atgaccattt catgttcaca gcattctaac atttccctaac acttttcagtt 60  
 gcttccaaga tttcgttgta tgcttctttt acttaccgga ccaaaacttc cctgggttatt 120  
 caattaaaca gggttaaaga caacttcttt cgatgggaaa attggtgaaa atcattcatc 180  
 atcaacttaa tgatgcattg taccaaagta tatggaaaat attaaagtct aattgtgctc 240  
 acctgtctgg cttgaaaact atgttcttat atacaaacca act 283

<210> 6987  
 <211> 357  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6987

ntgacagttt ccncgtttat tggggaaaca ataatagacg catagctatg gtctaagaan 60  
 aacgaactgt aagagctggt tgaaattaac acagccgcga caacatttgc atcaatcagc 120  
 ttagcccgct gaacatcaat gatagttcca ttcttgtctt cacacaccac aatcttgctt 180  
 ttcacettgg ctagtctctt cacgttgctg cacaagccca tgaaaacaat tggaacattg 240  
 ctggaagaga agtttcatga tagagagaca tgccagttat ttggacacca ttgccaagtg 300  
 taagagtacc atgaaattca cggccaagg tgccagcagc cacggttatg acccatg 357

<210> 6988  
 <211> 176  
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6988

agctntatac acaaaagtta gtcattattca ccgactaaca actcncccaa atgtatagtt 60  
gtgggttgctc tcaagcaaaa agagaacagt tcaacttggcc tctagtgaca acaacatgca 120  
ttgactatgc tcaaaagagt atgctacata agttcctgat tgcattgatga gagaat 176

<210> 6989

<211> 373

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6989

tgaccaatcc cgaccaacc cggcatagtc ggtcagtgag aatcttgtga tgtacctaaa 60  
cangcgaagc tctggcaagt cacagatnan aaggaaacca gaccaccaag caaggaggct 120  
tgtggtggct ggccaactgt gaattttgtg taatatgtgg attggggcct ctggtaatcg 180  
attaccaacg gtgggtaatc gattacaagg cttaaaattg aggacaggag gctaagatgg 240  
tctctggtaa tcgattacca angngtgtaa tcgattacca agcttgaaaa cgaagtcagg 300  
aaacttatgg agcctctggt aatctattac cancctgtgt aatctattac acagaagaat 360  
gggtcactgg taa 373

<210> 6990

<211> 344

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 6990

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tacaaaatgg caaaagcaga cttttctcat gctatatgat tgtacctgag gttaacctag 120  
acatagtttg attattgatt tctgcattct ttgattcttc atagctgaga tgttatgccca 180  
aagaattagc agaatcataa atgatcaatt caaataatca tagttaatgg gtgaactgta 240  
ctttattcga tcagtgaaca tagcttcttc ttccagagta agctctgcag tcagagaaaa 300  
ttctgcaaga ataacatgta atgggtttta taatgtggaa cttt 344

<210> 6991  
 <211> 451  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6991

tataagaaca aaattgcctc aatcattttc aaatatgcat gtgaattang aagcatcaac 60  
 aagaatcaag cccaggctat tgtgcaagcc atcaatgggg caaaacacac caaatgatta 120  
 tgatgatgga tggctcaaat tctcaciaag gtaaaactcat cactttcaaa ttgagctttc 180  
 aaaactatca tgacatgtag aggagaatca aagatttcaa gtcacaaaat gtcaaaaact 240  
 tttattttca aaacaattac ccattttcttg aacatattcct ataattcaaa gaaaaacatg 300  
 caaagtagta catgcgccac ggaatggccc aaaatattaa actaaaaatc cgacgaaact 360  
 aacaacatta acaaattaac acaactgaca nattaacaaa accaacaaaa ctagcaaaac 420  
 caaagaacac tttcccccat acttaaaca c 451

<210> 6992  
 <211> 524  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6992

cgcgcgacac ggggggtcaa nactgtgtaa ctcttgaanc ccttctgaat tcgcccgcctc 60  
 ttgacaactc agctctccat ttattatata ggaccagatt gagagggtgt ttatttgatc 120  
 attgacatgg ctagaaaaaa ccaaccccaa cacgaagaag aagaaaaagg actacccttc 180  
 cttatattaa ttagacacta caagactaaa ccacacagta tacaatcaac gagaaaattg 240  
 aaagatagca cttacgtttg cgctccaca tgccatatca gctacttggt ctctcggag 300  
 atacgcttat cttctcttcc ttgggtcca tatgcttctc ctttttcttc agaaccatct 360  
 cccgctgctc gatccatgac gataacttct tctctccaa tacctacttc tcctttgtaa 420  
 ccgctcttc accaaggcag ggaccacagc cgcttggtgt ccactctagt tatacctctt 480  
 gtaaagccta ataattgatt tcgaaaccca aataanccaa atct 524

<210> 6993  
 <211> 244  
 <212> DNA  
 <213> Glycine max

<400> 6993

agcttgaaca ttcatacatt aaggagaagc atgatagaat ccaagagaaa taccactcag 60  
 tgaaacacaa tgctgataga gtctatcatt ttcttagcca aggtcttgta ttgagtctta 120  
 ctttattaga aaagctctct ttgaagtga gaatctataa ttctttaaat gggttgctta 180  
 tgaaagctag gagtcactta gtgacaaaac aatacttgaa tgttcttaag ttcaaggcga 240  
 gtct 244

<210> 6994  
 <211> 370  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6994

tgatcaanac anacatctaa tcattccagt ccaactcaatt catacanttt ctcattcaag 60  
 tcattcacia acacttcatt cataagaaat cacaccactg aatatcataa tcaataagtt 120  
 cactgttcaa acatgctttt gtacaagcta tcaacacttc aacaacaaaa atttaaaaga 180  
 ctaaaattta aagactaata aagcataaac aaataattga catgaactaa ataattgata 240  
 aaagaaacta ttcataattt gcaaaaattt aaaaactatg tagaatttaa aactcatgat 300  
 catcctactg ctgatcttct gcatgctcgt tcagatccag cattggagca gctgggtggat 360  
 cctgtgaact 370

<210> 6995  
 <211> 450  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 6995

agcttttagtt gtaagtgaag attcctgact agttntgtta tgtaacaaaa aggaaactaa 60  
 ataacctcat tcgagaaaga ttctagaana gttacttggg gaatgtggaa gggtagaatt 120  
 tcgtaagaaa tgggatgggt gcttgggatac atgacatagc ttatagctat gaaggagtta 180

agggaaatata agggctatta agccttgtag ataaagaagc atgatctggg ggggtgataga 240  
aataaaatatac ttttaccagt ttctagtgcc taattctcan natatttaac catcaaactc 300  
taaattggctg agattcaatt tattgggtgga tgaagttttc tacttgaaac acaatacaca 360  
atttctactc actactttta gtacctgtct ctagtaaagc agtaataggc aggagtactt 420  
tagcacaatc taaggatgaat cataaactat 450

<210> 6996  
<211> 441  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 6996

ttctcagaag ctttcaggag ctacctatta taatagaagc atgtgtacac ttgtttctact 60  
ttgatgaatg aaaagtttgt gaaacaccac ttaaagggtc acttctcttc ctttttcttt 120  
cttcaatttc gtgctctccc tctctctttc tcttctcttc tctttttctt cattgaaagc 180  
atcctctcaa gcttcttata caacgctcat cttgggtggg aagctccttc ttccattgct 240  
tattccttaa tggatgggag cctctctcac ctcttttctt ttgtcttctt ctggcatctc 300  
atgggtggaaa atcatcatta aaggacccca ttgaagctca aagatccagn tctcatagaa 360  
ngcccacaag caagttttca tcaccttggtg aaaagacagt gatgagggtca ttttacttca 420  
ttctcttata atgcaatcag t 441

<210> 6997  
<211> 433  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 6997

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tcgtgattta ataacggctg ttaccttggg ttgccattcc ctgcttaagc atctcttgac 180  
atccagtggt gccttcatgg gttacttgta atgtatccca catttctttt gcatttttac 240  
aatttgagaa ctctaaatat tcattcatgc canatgcaga agtganntat attttggcct 300

ttanatngta ttgaaccttt cttatttcat catcatccca ttcttctcta nggttttcta 360  
 tangtgcatt tccactacc attgtangaa tgaagggacc aaattcaatg gcttcccata 420  
 tatttaaadc tat 433

<210> 6998  
 <211> 443  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6998

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 aaggggccac ttccctttt tactgtgacc cacactcaac cacaaaagtg agaaaaatct 120  
 gacctttgaa acgctaaaat catgcctcgg ttgcggtgcc cgttctctgg ttccagttcc 180  
 tcgcgtttct ctgcgtccgt cggggccagt ttctgaaagc aagcaatata tatatcaaaa 240  
 cgctcagaat aaaaccctga gcgtgggttca gaggttggtt ntgttaaatt ctaagtcgca 300  
 cgcaaaacga tgatttttaa ctaattaatt aagaaataac ccantaacct ccagttatgg 360  
 atttctcttn ctttaattagc ctaaccctg tattttgccc ccactattcc tacttctacc 420  
 aagaacatat aggcataac act 443

<210> 6999  
 <211> 282  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 6999

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 ttccctttc cttgttntga agctcactac aagccttaag tgaaaaacca tgatattacc 120  
 ataccttaa gggaatttgg agctttggaa ttgttttggg aataagtgtg gggggttttt 180  
 gtttcattgg acaacttggt ttgttgacta tgcttcatga tgtattttgc gccatacttg 240  
 atgtacattg tatattggct aaatgggtga catgctgaat ga 282

<210> 7000  
 <211> 469

<212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7000

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 gctgangaaa aaaggttcaa catctttggc actcaggatt cactaaaaat aagtgaggaa 120  
 aagaagaaag aaggaaaaaa tcccagctga gacgctttca taatgaattc atgacattgt 180  
 tgtgatcaat tacgctaatt gtcttcacca ttctttgcct ttcttcgttc gntcttcac 240  
 gttcatcgat cttcaaccgg ttagttttcg atttcgaagc tntgaattca ttatatgcac 300  
 ccttaggggt ccattcttgc tttgtatgtt ttcattctca tctcgtttac tttcggtatt 360  
 cttttcttcg ttntaaacga gtttcgactg atcgtntaag ccgtaacctc aatgaatgat 420  
 aaaatgaatt tcaattgatc atttgtgttg gaatggttgt taatcatcg 469

<210> 7001  
 <211> 357  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7001

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 ggtgattntc caccatggag gtgcaacgga agacaaagga aaagagggtga gaggaggcgc 120  
 catccattaa ggaataagcc atggaagaag gagcttcacc accaagatga gccttggata 180  
 agaagcttgg agaggatgct tcaatggagg aaaagaaaga gggagagaaa gagagagggg 240  
 ggagcacgat attgaaggaa taaaagaggg agagaagtgg aactttgaag tatgtctcac 300  
 aagactctca ttcattcatag ttacaacaag tgttacacat gcttctattt ataaact 357

<210> 7002  
 <211> 471  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7002

cttcaccttt ggtcctcttc atagttgggt catgagaaaa cattctctat tttcatctcc 60



cactccaagt	aggcctccga	atcgttcttt	cctttaaagg	gaggaatgct	gagtttaata	120
ccatcaattc	ggttttgtct	aggaaaacca	tcattccctc	ttctcctcct	ttcttcttca	180
ttatgatctc	tgttcaccat	ttgatccaac	ctctcatgga	gcgcatcatc	tcgttggttc	240
attaacctct	ccaaatgttg	catcaaagct	tgcattagga	attgtgaaag	ccccctcca	300
tcattangat	ttgttcctgt	catctcaaac	aaacaaatca	natgtaacaa	gacaattata	360
gttggtgttt	gaatacctta	nacaaatcan	acgtaacaag	acaattatag	ttgttggttcg	420
aatacctcac	ccactcaagt	gtatcacacn	aatatggctt	ttctctaata	a	471

<210>	7003
<211>	361
<212>	DNA
<213>	Glycine max

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tgactattca taccacaaaa aattccaaat ggcacttcat aagaattgac cttgtgtgta	120
gtatcaaata caacaacatc accatattnt tggtgcccat cagagctaga agtatgagac	180
caaaaaatat gctctcacct tctctcttca tcacgtggat atgcatactg gaaattatag	240
ccacttcttt ttgcatcctc accgtacttg agaagatctt ggcatcatTT ctttcactta	300
tttttggttt cacaaaaaat acgaatgccc tttcataaat ggaaatacca tgcttacatt	360
t	361

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<223>      unsure at all n locations
<400>      7004
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ctgagaaacg ctgatcatgt taaaggggttc attttcaatc atatttttat cttctcttaa	60
cttagctctt tcattttatt ttatttttaa aaaaactttg gaaaacttta cgggtgtatta	120
ttttattgct attcatggaa gtggaagtat ggtccctcat attttgtaat atgaatatgt	180
ccttacctta cctgaagaat atccacactg ccatttccat tatctctgaa tgacttttat	240

attgctccgt tttctttcca agtaacgagt aaacatagct ntgatgcata aatatgttga 300  
 ttgaattgac tccaaagttc caaatttgac catgaattgc aatgtacgta atanggataa 360  
 acttaaatta actaatcc 378

<210> 7005  
 <211> 423  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7005

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 aaaataatca atctttatat tgtgtnnttc ttgtcagatc tcattccaag tgaatttacc 120  
 catgttatta cggatgcaca tgtttaccac aatcatgtga ggcttngca ggagaagctc 180  
 cataaccagc caaaaccttt tccagtatgt gtaatgttta gcacttcttt tactttatat 240  
 tgtgactctt ttacttggtg accccctaata ctacttcttg tagactttgg agatcaatcc 300  
 caaaatgaga gatatagatt cttttgtggc tgttgatttc aagctcatag gctatgatcc 360  
 tcaccagaag attgacatga agctggetgt ctaaaatctg gggattctca ctccctcgaa 420  
 ctg 423

<210> 7006  
 <211> 448  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7006

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 tcatagggca taccctcttc atcgtctgat gaagtacaag aagtattaga tttagaataa 120  
 gttttacctc gaccttatca tttgtatctg ccatgagata gatgttggct tggatcatcat 180  
 ctgaactatt acttttctca ttgtttgagt catctcaagt gatcatcacg cttttctttt 240  
 tcttgcctcc aaaatatctc ttttttagtt ggggacattc atccttcaag tgtccaggtt 300  
 ttctatattc aaagcagatg atctcattgc ttttctcctt ggtcttcttt ntgaatctag 360  
 aatcctttcg tctgtagcag gggtggaaat tcccttcttc tttgaattct gatactgggg 420

acagatgtcg acaggatgtc acgacatc

448

<210> 7007  
<211> 289  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 7007

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tgtactcaaa tacgtggggc aatattgggt tgttttcttg cttggatggg ttgaattgag 120  
gatttgtatg agatgaccct atgcctataa tgcatttttg agcaatgggg catgccgcat 180  
tgtccccatt ctcttgctat taatgcctaa atgtgcgccc accaagtgtt tgggtgaaatg 240  
cctcaatggc attngcgcat gattctgtan ggatacaacc tatgggaca 289

<210> 7008  
<211> 405  
<212> DNA  
<213> Glycine max  
  
<400> 7008

tttgctgatt agttttcgcc gatgaaagga tcgaagtggg tctaataaga cgcaaactctg 60  
atcatcatgt ttgataatac caaaaaacct aggccaatga agatggtgag aattaaggag 120  
aaaccattg tgtgacttgc attcctatac aggccaagtt tccaccaacc caacaatgtc 180  
attactcagc ccataacaaa ctttcttctt acccaccacc cagttatcca taaaggccaa 240  
tcctaaatca accacaaagc ctgtctaccg cactttcaat gacgaacacc acctttagca 300  
caaacaaaa caccaaccaa gaaatgaatt ttgcagcgaa aaagcctgta gaattcaccg 360  
caattccgtg tcctatgctt gacttgtccc atatctactt gataa 405

<210> 7009  
<211> 363  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 7009

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tatataaaag agaggttcat acaaaaagaa ggaaaaccaa aaaccagaat tgtacagctt 120  
gctgaaagca acacagatca atactctctt ataactaaca cgaagacagg aatacaccac 180  
taacataaga taacaagctt gcaaaacttn taacttttca gatacaacat ataaataaac 240  
cctagatatg taaacactca gaagagatcg agaaaagaaa cccacatcaa ttaaggaaaa 300  
tagtttacia aaagagcatg cactaaaaag ctattaataa agtagatcga ctagtcaa at 360  
taa 363

<210> 7010  
<211> 409  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 7010

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tcatccaaca atgaattggc ctatttaagg aagatgatac acagcattat tgcacatctc 120  
tgtagaagca gccactatag taaacaatct tctctatcta aatggagatt tgttctaa at 180  
tacctaaatg ccactgccat tggagttctt tctataacc tcttcttttt gtttttgtat 240  
aatcccttca aatttgcatt atgtaaaaaa gaggtcctca aagttgcagg tgcattggcca 300  
atacttggtc acctaccact attgagtggt tcagagacac ctgatagggt tttgggtgct 360  
ttggctgata agtatggacc catattcacc atcaactatg gtgtcaaaa 409

<210> 7011  
<211> 341  
<212> DNA  
<213> Glycine max  
<400> 7011

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atcttcaact tacctatttg gaagtgcacat catggcagct agggccagc ttttcattgt 120  
ggattcagtc acaaaaccaa ctccattatg ttggactatc tagcacggg agtttcgatt 180  
ctattccac acagatgtgg gaagcacttt ctacgctttt gaggtaaac ctctctcgta 240  
atcatattct tggagagact gggactacat taaagaattc aatatctatt ccaactattg 300  
atctaagctc atatcacttg tgtggaaatt accctatctt t 341

<210> 7012  
 <211> 305  
 <212> DNA  
 <213> Glycine max

<400> 7012

taaggcaatg aaatatacaa tatacctaaa tatectcttc ttctacagct agttctccct 60  
 tcttctctga ggagggtctg gacctcgaaa tccacaagct atcaatttat taccaatgaa 120  
 agctgaacat gcagacaccc catatgaaca tgttcatagt atgcgaaagc tttgcacatt 180  
 tttaatgttt acaatatctc gttagaaaag gtctcactcg taacatgcaa catgttgact 240  
 cacaaatttc taaggaaaact taataccttc ataactatca tcacatagat cagatctctc 300  
 aagtg 305

<210> 7013  
 <211> 348  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7013

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 aaacctgccc tanaaaatct ttggtttctc tcttcttcta tattcttccc attctactca 120  
 ttttttctct tctttcccta tcacctacac ttgacatggc agtataacac cccaaacttt 180  
 ttaaccccat gttatagaat catcaaatat acatatccac caaagaagta caaacataga 240  
 catcactctc aagcttactt ct cattatgt aaccatggat ttctttccct aaattaaagc 300  
 aaccaatca aatgactgct tgtagagcac tagttattga acatgaat 348

<210> 7014  
 <211> 340  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7014

nggtggagtt taaagaaaac cgtggaaggt tcgagctagg atataagccc acacatgccg 60  
 acataaggaa aaacacccta aaaagaagg accgaagcat gcgcccgcag caagaaccgc 120

aagtggaagg gacttcctta tgtcatatca tttaaagctt catcagcgta cgctggatgt 180  
 gtgaaaggcg gatcgccatg atcaacaatg aagtcctca agagcaatca aactcagtat 240  
 ggtcatgccc tcttgagttc gagttgggaa actggcaaact tatcgaacaa cccaaaattn 300  
 tcatggcaaa cataatggta attgttagtc caaaccttat 340

<210> 7015  
 <211> 442  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7015

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 gggccacgcc gaaagaacac tntaattgtg cccatcccct gaacatttgg tcatgaggtt 120  
 tgtaactcat gttcccaaga agtattatct aatgttagtc acaaactcaa cataacaatt 180  
 tgcataaaat ttcttgatta atttgagcaa gaacaaaata ttgttgatgg taggagacat 240  
 aaaataactt aatgttgacac gacatacatg gtcttgaaag cgaggctgaa atgcatctgg 300  
 ctattgttgg agaatagaga gtgacaatgt tacattccct ttgttcgcaa ggactcacga 360  
 atactataat attaattaat atttcttctg gacgtatatg taatggggtt cctaacttct 420  
 ataatctaga aatgaacac ct 442

<210> 7016  
 <211> 386  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7016

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 gtaagggag ctaccttgtg tctgacacta tagtgctgga ggactntctt gagttggatg 120  
 ttacagaaat gagatcctnc atcacttata agtacccttg gtgtgccaaa ccttgagaag 180  
 atgtttttct tgaggaagcg aataatagtc tctgcatttg catgggtcac aactatttct 240  
 tccacccatc ttgttacata gtccacaacc aatataatgt attcatttga gtaaaatgat 300  
 tgcaatggac caatgaaatc catccccag cagtcaaaag cttcaaccct cagaatgttc 360

tatagtggcg attcattcct tctgga

386

<210> 7017  
<211> 360  
<212> DNA  
<213> Glycine max

<400> 7017

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gaaaacacga aacaacttag aaaaacttgt gatattcaag caaactaatg agtatgcaca 120  
tgaatcaaca aactaaggca caaactaagc aaaaacaaat gatatgagta gcaatatgag 180  
tcacacacta tgcaaacaaa aagtattttt tgctagatgc atccaatatg cctagttcat 240  
ttctaataaa aaagaaccta tctctagtaa gcggtttagt gaaaatatct actagttgat 300  
gctcactatc aatgaactca atgcagcagt caccttttaa cacatgatct ttaagaaaat 360

<210> 7018  
<211> 487  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7018

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cagtatgaca gatcttttga gcacggaaga tgacgttaat caccgcgtgt aaacgggctt 120  
gttgcccgca attgacgaat ggcgcataat acgacagtag tgtctacgtg ctatcanagc 180  
tttcgtctta cagacagcaa aaagtttata cggataacca ctcgggtatt ttcgcgcgtc 240  
agcgtgactc acaagtacta tgacagatga tgtgagcgcc gaagaatacg tatatcttca 300  
cgtgtcaacg gagctgttng tcacgatttg cgaatggcgc ataaaacgac gcttgtctct 360  
gctgggtggc gcccttttct gttacggact caaaaagtt ataggataac cactccgtgg 420  
tttcgcccgt cgcggactaa aagtcagatg accatcttgg agcgcggaga tacataaatc 480  
tctcttn 487

<210> 7019  
<211> 350  
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7019

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tgacacgtgg agatttacgt tatcttccgc gtcacaaga tctgtatact gacttttgag 120  
tcacgctgac gggcggaat acccgagtgg ctatacatat aaaatTTTTG ctgtctgtaa 180  
tacaaaaagc ctgatagcac gcagagacta acgttgtctt ctgcgacctt catcaatcgc 240  
ggccgacaag cccgttgaca catggagatt tacgttatct tccgcgctca caagatcagc 300  
catactgact tttgagtcac gctgacgggc ggaaataccg gagtggttat 350

<210> 7020

<211> 224

<212> DNA

<213> Glycine max

<400> 7020

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ttaagcactc aaaacagctc atggccagat ctactattaa ttacaatct tgctcctgag 180  
ttgtgcatga agagaaaata catgacgtta tcgatgatga tate 224

<210> 7021

<211> 281

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7021

gagcttcac atgcgttgct tccatcacac tgccgactct atagttatta tgctctatnt 60  
gtttagttga tatggatata tctctacccc tggattttgg ctcttattgc tacgtacttt 120  
tgtcacagca gccttagatg gctaccaata tgaattggcc tgagctcggg tactgatgac 180  
tctgctctgg atgattaaca cctgtgaggt tattctatga gattgaatca gtttatggaa 240  
caaatgtgct atgattgtaa tgctgtgcta catcctttct c 281

<210> 7022



<211> 580  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7022

actctccctc tctttctctt tccacnnnt cctnnncnnn nnnnnnnnnn nnnnccgcgc 60  
 gtgatgatgc tttgatncat cagngaccga ganaaaccaa acttaancta cctcacttaa 120  
 atctacgaag gctgtgtgat tctatcctat tgccataaga ggaatatgac gacgatgctg 180  
 ggatctgatt cctccaacgt gtgatagacg tttagaaata taagctccaa catacatcac 240  
 actagcatga ttgattagag aaacgtagat atatgcatga gctggctctg tagaaagacc 300  
 caacaatact atctactgct ctttaatttta cttacttgca ttcttactcg acctatccta 360  
 aacctacctg aagtatgttc taaatcagca gttattaatg cttgtttcag caatgcctta 420  
 tttctaaatt taaccacccc tcataactaat ttacctcact tcgatattct acttcatctg 480  
 ttttaatcta caaatacttg accatacgcc gtgctctccg aaacacgaga gtaacctcga 540  
 atatatttgt acgactagac agtggaacgc aagtaacccc 580

<210> 7023  
 <211> 344  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7023

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 tctgcttcaa agattgaagt tctgaagaca cattgcttaa attctttagt tggaggaaat 120  
 gtttcttgct cattagactc agattccttg actatatttt ggacaacact gggttctact 180  
 tcatgaattt ccttgctttc cttgtatttg catcctcctt cttcagagga atacatccaa 240  
 cgaaaccac actctgttat aaccacttca tcgttggttat tttcggtttg acaaagaat 300  
 ntaaatgtaa gctttggatg atgagtgggtg ctcttatcat taat 344

<210> 7024  
 <211> 378  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7024

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 tagccatgga acatctatca tgttcttgaa agatgcatgt gttccaaatt atacggcgct 120  
 ggaggacaaa gcaacaattg atgggtgtag atgatattga caagcttgct tctgccaatg 180  
 actttgtcac accattcgaa gttgatcgat caggatgctt gccacggaaa ttgnggaggt 240  
 tattatggcc atggttcccc ctgtgattnt gtgtccttat gatatcccag cctagaagca 300  
 ttataaagac gagttcttta tagtagcatc tacctacaat nntcttgtgg gcaatgttga 360  
 caggtgtgat ccactact 378

<210> 7025  
 <211> 457  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7025

tatctaanac tgcgattgtg agattgatgc ttattcgaa aacctctaatt cctgcccatt 60  
 tttagtctaa tattagttca cacttgtaat tctaaatcta atatggctga aaaatagaga 120  
 acattggttt ccttttctta tacgtatttt tcaatttttg ttcctacttt attatgtgtt 180  
 tatagacttg agtgaaatga atacaaactc aacttttgga tcatattatg aatcctagat 240  
 caattgtgct tcgtctatat atttcgtggc atcataaatt atcttgtaaa gcctttcatt 300  
 tgtctatatt tataaatcat aaatataaac aatatcatag atattctttg tgaaattcaa 360  
 tattaaatct tatatattca ttgtttttct ttctcaacaa ctctcatatc tccatctatc 420  
 tagnttatct atngactntt atgcggatct acatata 457

<210> 7026  
 <211> 356  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7026

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 ggtggttttc caccatagag atgcagcgga agacaaagga gaagaggtga gaggaggcgc 120

catccactat ggaataagcc atggaagaag gagcttcacc accaagatga gccttggata 180  
 agaagcttgg agagaaggct ccaatggagg aaaagaaaga gggagagaaa gagagagggg 240  
 ggagcacgaa atttaaggaa gaaaaaggga gagaagttga actttgagta atgtctcacg 300  
 agactctcat tcatcaaagt tgcaacaagt gttacacatg cttctattta tagact 356

<210> 7027  
 <211> 464  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7027

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 caagtttcag aatttctaca cctagaccac tccttgaaac actccttttt tactctaact 120  
 ntgctctgaa cactttcatt ccaccaccac gattctttac ccttaggtcc aaaacctcta 180  
 gattcaccca acgtctcttt agccacttta ataatctctt gggacgtctt gttccacata 240  
 tcatttgcac ttccttgtga ttgtccacat cateccctcc atctcttttg ttggaagatt 300  
 ccttatttct cacccttcaa gtgccaccat ttgatccttg gtgctaccat angacttctt 360  
 ctctntgccc tatctctaata tcttacatcc ataaccaaaa ctctatgttg ggtagtcaag 420  
 ctctcttccg ggataactnt acagttcaag caatacttcc tate 464

<210> 7028  
 <211> 423  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7028

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 tttgatcatc ctactaggac gactgagaaa actggggcaa atgaagaggg tgagaaagag 120  
 ggagaaaccc atgctgtgac tgccattcct atacggccaa gtttcccacc aaaccaaca 180  
 atgtcattac tcagtcaata acaaacctcc tccttaccac ccaccagtt atccacgaag 240  
 gccatcccta aatcaaccac aaagcctgtc taccgcactt ccaatgacga agaccacctt 300  
 tagcacaac canaaaaaaaa acaccaacca agaagtgaat tntgcagcga gaaagcctgt 360

agaattcacc ccaattccag tgtcctatgc tgacttgctc ccatatctac ttgataatca 420  
atg 423

<210> 7029  
<211> 410  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 7029

tgagatgagg aagtgttgaa ggggtgaaact tcctgctttt attgttgacc acatagtggg 60  
acctggagat atgtcacggn ggtcaggaga ccttgnggac ntcagggtggg gtgctattgc 120  
ccaaaaccaa gcttgaccaa tcccgaacca ccccgagcat agtcggtcag tgagaacctg 180  
tgatgtacct aaacaggcga gctcctggca gtcaacagat aaaaggaaca aanancacaa 240  
agcaaggagg tttgtggtgg ctggccagct ctgaaacttg attgatatgt gagatatggn 300  
ntntcgtaat cgattaccaa ggggtgggtaa tcgattacaa ggcttaaaaa tgaagatagg 360  
aggctaagat ggtctctggt aatcgattac cacgggggtgt aatccattac 410

<210> 7030  
<211> 351  
<212> DNA  
<213> Glycine max  
  
<400> 7030

agcttctact tatgtggcag ggcgggcttt cttcaccttc ttgtctcaa cgcgaacttt 60  
gaccattggt cttccttccc gcgatgcttc ttttcatgtc tgcctgagtg ggcttatagc 120  
ctaaaccata cttcccacga ttaccttggg tatttatcag tctagttatg ccgcgctgt 180  
tttttctaa acccatcccg ggctcataac cgttcccaa cataactcg gccatcatta 240  
ccgctgcac ggacagacta tgcttgccaa agagggagtc cacggaggaa atgctgacca 300  
cctcaaaaga ctggaaagta gtttctaacg attcttctgc ggcttccaca t 351

<210> 7031  
<211> 443  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7031

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aatctgagga cgaagcttgg attgattcag tccaacttgg gatcgagggt tagtaattta  120
ggctacaaca tagaacacaa aagcatgatt gattagagaa acatccttat atgcatcagc   180
tggtctgtta gaaagaccca acacttctac ctactgctct taattttact tacttgcatt   240
tttactgttt ttatcctaga cctagtttaa ttatgtttta aatcatcaat tatcaatggt   300
tctttcaaca atgccttatt tctgaattta acccggtctt agactagttt ccctgagttt   360
gatactcgaa ttcactgtgt ttaattntta aatacttgac gatccgcgtg tgctttccga   420
aaaccagatt tcccttgaat ata                                           443

```

<210> 7032  
<211> 404  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7032

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cccatggaag ctctaatat ctcccacact atntgggatg ggccattctt ggatggcctt   60
gattntctca aggtccactt ggaccccat tctgccaaact acaaacccta agaaaactat  120
attatctaca caaaaagtac acttctctat atttgcatag aggggtgtttt tcttaaagac  180
tgaaagaact tgcttgagat gtcctaagtg ataatctagg ctctactgt acactaaaat   240
atcatcaaaa taaacaacta caaatctacc tatgaaatcc cttaagacat tatgcataag   300
cctcataaag gtgcttggtg cattagtgag cccaaaaggc atcactagcc attcatacaa   360
accagacttg gtcttgaaag cgggtttcca ctcatcaccc tttt                     404

```

<210> 7033  
<211> 436  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7033

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tctcaaggaa ggtntcttaa gaaagcttct caaggaagct acctagtcta tcaatagaag   60
catgtgtaac acttggtgta actttgatga atgagagtct tgtgagacac aactcanagt  120

```

tcaacttctc tcccattttc ttccttcaat ttcgtgctcc cccctctctc tttctctccc 180  
tctttgtttt cctccattga agcatcctct ccaagcttct tatacaaggc tcattcttgg 240  
ggatgaagctc cttcttccat ggcttattcc ttagtggatg gcacctgctc tcacctcttc 300  
tcctttgtct ttcgctgcat ctncatgggtg gaaaatcacc attaaaggac ctcatgaag 360  
ctcanagatc cagccttcat agaagctcca caagcaagct ttcatcaagt ggtatcagag 420  
cacaagagct tcaagt 436

<210> 7034  
<211> 477  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 7034

agcatttaca tgcattgtca aaccatattt actatacttc gatcaactga tgcaatctat 60  
ntgattgaaa agataattta tattacactt ctaatgtagt cgacaactaa aaaaaaatat 120  
aacagagagt aatgcttaag ccaatcaa at caaatcattt agaattctat cattactatc 180  
atgcatctca aagagaagga gaatcaggca tcataatgta tagcacaaca aaacattaaa 240  
agaaaacatg ccttctaaaag ccaaccaagg gaaaaatgta tttatatttg tgaactttnt 300  
caaaattata acacatatat aaccatatat aaaaacatgg ttgaacaatc tgaccacatg 360  
cacaacacat tccacacatt atttctgaaa atgagtggta agggaatata ataaagcatt 420  
gttattaaaa ctgtatgtgc actaagataa caagggtgtc atgacaaaag gaacaca 477

<210> 7035  
<211> 367  
<212> DNA  
<213> Glycine max  
<400> 7035

tctgcacgtc aacaagcaac accaaccaaa tattatTTTT gcgttctcat taccacctca 60  
gctgattttt gtgtttccat tccaactgca tgtagagcaa cctcacctca tttctacatt 120  
tcattattt gtcttaggaa gctcccttct cccctctctt gtcgatccca ctttgctgtt 180  
gtgttgccac cgtcatgttg acttgatttg aatggcttaa gcactatttt ctgtgagatt 240

aattctctaa ttgtagacta cattacaaga gtagtatgga ttatcttttc aatcaataga 300  
 ttgcattagt tgatcggagt ataccaaata tggcgcgcac atgcatctaa aagcttggag 360  
 ctgctat 367

<210> 7036  
 <211> 275  
 <212> DNA  
 <213> Glycine max

<400> 7036

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 ttgtaagctt tgtggctatg aatgacatct ttcaaaaggt accaaatagc caacgtttac 120  
 acggtgaatc ctatggaaga taccaccatg cttttatcag agtggctagg atattgctag 180  
 taatccttgg ttatatgaaa gtatgggtct gactctcgac gttgttagga ttttggaaaa 240  
 aatacttgat gagctgaaca ttggggaaca tgata 275

<210> 7037  
 <211> 423  
 <212> DNA  
 <213> Glycine max

<400> 7037

tctagccaaa tggacttacc ttgaattaat tcctttgata gcccttttga gccttgtttc 60  
 cctttccttg gtttgaagct cactacaagc cttaagtga aaaccatgat atcaccatat 120  
 ccttaaggaa ttttggagct ttggaattgt tttgggaata agtgtggggg gtttttgttt 180  
 cattggacaa tttgttttgt tggctatgct tcatgatgta ttttgggcca tacttgatgt 240  
 acattgtata ttggttaa at gttggacatg ctgaatgaaa tgttgtttct cacaggctat 300  
 tcaaaaaaaaa aaattcgaat aaaaaagaat agctatatag ttgagtgaat aagatcttat 360  
 atggcacacg aatgatgaca ctctcggttc tactcttcat gtgtaaaatt tatcttcact 420  
 tca 423

<210> 7038  
 <211> 281  
 <212> DNA  
 <213> Glycine max





atagcaaca gtatgaaccc cattgcatac gtctcacggt agcanatacc taaaa 476

<210> 7041  
<211> 429  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 7041

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tttgtattgg ttgttatctt gtgtgttgcg tcttagtaca tatcgtatct attatgcac 120  
cttcatcatc ataggaagtg tgaataaaaag tttctatgtt agaaagggtt cttcaagagg 180  
caaaactttt gttttcatcg attacagggt tgtcataatc gattacaaca agttgtttga 240  
agcttgagga gttgatctta tatcgggtta atcgattaca gtagtctcat aatcgattac 300  
cctgctgttt gagacaatga ctgattgatt taggagtcct tactttaatt gattcccaag 360  
tggtttaatt gattacttct ctntcattta gtagtccaga agttaacaag aacactntaa 420  
tctattaca 429

<210> 7042  
<211> 435  
<212> DNA  
<213> Glycine max  
  
<400> 7042

cacactcatc acggcgga aa acggagagtt ccgcgataca ttctagagag accggcccac 60  
agcacaaga cgaaaggcgc gaaccatcca gatccgggcg caacccaaa taccaatcta 120  
ggcccccccg gaacatactg gaagaccggt cgcccatcga cgaagcccac gagcggtaag 180  
ctcaccacg ccgcccga aa atggcccacg ggcccccccg ctgccgaacg cccccgcaa 240  
ccccgacact ccgggaaacc aattgacct ccccggggaa aggcacacac ccaataaacc 300  
cccacgcacc cacaccggac ggctccccac ctccccgaca ggacacaagg gcaacacaac 360  
actcgggg cgcacacacc cccgagaccc aaggcagcac acctctaca cctaaacacg 420  
gagggaccgc ccccc 435

<210> 7043

<211> 410  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7043

agcttcttgc gtagccgctc ttggtgctca gaatattctc aaaacaaatc cctcttatta 60  
 ctagctattn tgaattcttt agttcctaaa tgtacaactt tcaaattggt gctcgctccc 120  
 ctctttcttt tctgcaaaaa agaaaatcaa atgctatcaa aacatggatg aagtcctaag 180  
 aaaatcaata tcaaagaaaa catggatgaa atcacaatta aaaagcacia ctacctatct 240  
 ttcagagtcc tttggttaat atgtcttgct tccttatgtg gtgggggtnt gtttaataat 300  
 cttatacgtt tgccttccaa aaaaaactta tctaatacc tcttttcatt aatccaatnc 360  
 tgtatgttat tgtataaaag atcatgggtt ctccacctgg ctgcactact 410

<210> 7044  
 <211> 464  
 <212> DNA  
 <213> Glycine max

<400> 7044

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 ttgaccttga cttgatagaa cctcttttta agcgaaggcg cctgactcga tcctatgttt 120  
 tactaaagtg aaacaaaacc cagtgcgaat caaaactcta acatctatca tgggtggaat 180  
 ggatgaatgc atgaagaaat gcacatgaca cagatgcaat ttataaatac gggagccccgg 240  
 gaaattgtcc ctttcttaga tacaacattc gggtagcata gcgccccgacg tatgcattta 300  
 agaaggcgac acggaccctc catcggttta acaaagtaag gggatcaaga cgcaatccgt 360  
 gcatgatgca tatgtgaaag gcacaacacg aggatgtaca tagtacgaca atatccacaa 420  
 aaacatacaa gcataggcgt acatgacatt taggactaca tgca 464

<210> 7045  
 <211> 429  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7045

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gagtcttcca aggatttgtg tgccttctct aacttttctt ctttttccag caataaggta 120  
aagctacaaa attgagtcct ccaatgtttg atataagttt tgtaagacca tctttaattt 180  
gaacaagtgg cttaaagggtg taaatgcaca gtccttccaa gcgagcaact canagggtga 240  
acaccatctt agaatttctg atgagcatct tcattaaaaa tggaagactt gaacgaaaat 300  
ggttggcttg ctctcattg ttctgggaat agataaggat ctatataatg agcacaatgt 360  
atgaaggatg gaaaaactcc aatntatgta atcccaggtt aagacttgta gttcacacta 420  
atcaatgac 429

<210> 7046  
<211> 450  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 7046

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ccatgagaca cacacagata cacaacaca cacacataga gacagacaca cgcagactca 120  
gacacagaca cgcgcacaca tgaggaggga cacagacaca ctgcgagagt cacacacaca 180  
taaagacaca gacaaagaca caaacacact gagccacaga cacacgcaga gaccacaca 240  
cgaagacaca cacactgagt cataaacaca cacatagaca aacacactca caaacatgga 300  
cagacacaca cacacacata aagagacaaa cacacacaca cacagagtaa gagacagaca 360  
caaacacaca cactcacaca cacacagata aagagacana cacacacaca cacacacaaa 420  
gacacacaca ctgaggtcca gacacacaca 450

<210> 7047  
<211> 465  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 7047

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aatatgattc tcccacgtag acctttaagg ctttagttct ttaaagatat gcaatacgcg 120

tgtagtgaaa tgttgatgga ttggcaagtg caccaattcg tcccaagtag taaagttaaa 180  
 atcgaagtcc gagtgtcgaa tccacagaga ctttgtttat acttaggtag atgattattt 240  
 aattaagaaa aagatttana aaggttgtag aaaacagtaa atcaaattgc ttaaaattaa 300  
 atcaaacaag aaaaagaatt aaacatgaat ntaaattaat taattaatta aagacaaaaa 360  
 agatgagaaa atccacaata ttgtagaacg aaaattataa gatgggaact gtggaaactt 420  
 tggttatcag aagctactct tgatgtaatg ttaatgaatt ttctc 465

<210> 7048  
 <211> 174  
 <212> DNA  
 <213> Glycine max

<400> 7048

tgcgcgctt catgtctgga atatgagagt cgcataata tctctagaac cttacgtgct 60  
 ctgctgatgg cttaattcca ctcccagctt caatacgagt cttggacttt acagactcag 120  
 tcggacatct gctgagtatg caaacagcac tgtatactgc ttccaccag aatg 174

<210> 7049  
 <211> 432  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7049

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 aactgacca tccccagtg atgttgact aaatgtggca gaagcagaat atcacaacag 120  
 aactataatg atgctattta tatgctgaa atattgtatc tcacctgccc acatgacaac 180  
 accaccagca ttctcgattc tcttcgctc atcacttcta ttgggtttat gatcctcaga 240  
 gagagcattt gctgcaaaaa taaaaaaaaat taattcaaga taccaatctt atttcaaaaa 300  
 tgtattcaaa tggaactgta ggagaaaatt tatcatatga ccagacaagg actcttgtct 360  
 gaaatgctgt atcttcaca tgatctctgt atntacatta tcaagcagct tttccccaac 420  
 atcacatcat ta 432

<210> 7050  
 <211> 358

<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7050

taacactcat cacggtggaa tccgtagagt ttcgtgagat ttctgaaaga gaacggccaa 60  
aaccacaaaa atgaaggggt gaacttatca agataggggt gtaaatagaa attcgaatct 120  
aggcccttcc gganacattt ggaagttggg ttgcttaagg aggaagcaac tgggcggcaa 180  
gctccttcac gttgttgaaa aatggtttcc ggggctttca tggcttctgt aatgcttccg 240  
tanaattccg aaaacctggg taagcatatt tactaaacat tggtgaaagg gaagagaaaa 300  
aaaataaaaa tcaaatacaa aacactttcg taaggctttc gtaacttttc cgtaaagt 358

<210> 7051  
<211> 471  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7051

catgcangct ttctgctcga tactcatctg ggttgtgcga ctaccatttc catcaacaga 60  
caactgatcg tagttgctca aggaaacaca caaaatggcc aattcaacat tctcaaacat 120  
ttctagccac ttgcaatttt ctgctagccc tctagcatgt attggaatta gttgatacct 180  
gcaatcaatg agaacaaagc atatgacaca gatcagcaac tttttatagc agctctggca 240  
atcggatcaa tcatgactac ctataaaatt tctcacatga aacaataggc gcaaataatt 300  
tcacccacct aactaaagaa tcatgtagat cggcagtgtc gacagtttcc tcacgagctg 360  
gccgaggaaa tgaaaactct accagaagcc atcccattgt atgaagtaac tccttcagca 420  
tagaggatat ctaaataccga gggttcataa tcagtctca atatctcaac a 471

<210> 7052  
<211> 447  
<212> DNA  
<213> Glycine max

<400> 7052

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aagtctctac ctgaatctct aagaaagagt gtaaacaagt gtgacctgcg acaatccaac 120

aagagcatat aatggattcc acacaacttt acttttcgat atctcatacc taaggagctt 180  
 gtaaaataat tgcttggtag cccttttttc ttactatggg agacaatcta cttcaagttt 240  
 taaacaacag ttcacaactt caattgtagc tgcattagtc gtatctgtct gcaattttcc 300  
 aatcgagaca aaactgctac tacaattgct actgcagttt ataaccttga tgtgcggtgc 360  
 ttgctctatg atgtattatt cttctgtaca aagatgacag ggtagcacca acagagaaat 420  
 ctaatattgc aatgtgtagc attgagt 447

<210> 7053  
 <211> 342  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7053

gcttcagat tagtgtacca gatgaccgcg gctccagcca agctatcttg gaanaagtgc 60  
 atcaacaact tttcatccct agaatgcgcc cacatcttgc gacaatacat cttgagatgg 120  
 ttcttatgac aagtcgtccc tttgtacctg tcgaaatcag gtaccttaaa ttttgatgg 180  
 atgacgatgt ccggcactaa tcaaagatcc gccatgtnca cgaacggata gtcgccaag 240  
 ccttcaacat ctctcaatct ctctttgata gatcgagttt actttattct tccgctgcta 300  
 ggggtgggcc ttctgtggac aagaatatcg gctatgctgg ga 342

<210> 7054  
 <211> 283  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7054

tccctcaat tgatgcattn ntaactaaag cttacatatt tatcaatgca cgacataatg 60  
 canagataga aacagaaaac acaaaacaga ataaccatta atcaagatca atttcattaa 120  
 taaataggat catataaaag atatcaacaa ataaataaat aatcacatat catgatccta 180  
 caaaaactta tctccttctt acaccaatct cttgtaatct tctctccatt tgttgtcaag 240  
 caaaaaacca aagggaggaa cgaaggggat agaccaatca tgc 283

<210> 7055  
 <211> 307  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7055

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 aatatatacc acaaactctt gcaacaggtg tagatgcaga tttctgattc atggccagct 120  
 gagttactag gatgaccaag gcatcaagtt ttccctcaag ctttctatct tctgcagaca 180  
 atagcatcat ctcttgcaact gaattgttgg gagatgaaag ccattctctc aatcaaattc 240  
 ctagcctcaa caggagtcac atcaccaaga gctccaccac tggcggcatc gatcatactc 300  
 ctctata 307

<210> 7056  
 <211> 412  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7056

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 aaaccagcaa actgttaacc gactctaaca gctagtcctt gtactgagta aggttgcaaa 120  
 ttcacaaaaa ctagtggaat gaagtcatac ttgagacagt gaaagcaaatt ggacatattg 180  
 tggccaaatt tatgctacac ctgaacactg aacatacatt ctgncaccac gggctatgga 240  
 atgccttgca atgtggccac tacagactct atggaaacct ccacgactac aaaaaggctg 300  
 gtagccgaga tttgatgacc ctgagtgaag tgattatgca aaatgtgcat gaggaggata 360  
 gtangaggat aatacaccgg ctgataagga agattctgaa tgaaatacca at 412

<210> 7057  
 <211> 428  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7057

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tacttaaaat gcaccncac ttacgttntg tcaactaataa gaacacgcct ctggccaaat 120  
tgaactgtgt ctttatgaga aaagtagttc cacacaaaat ccataagaac tcgatgaccc 180  
tcattntgtc tttcagtact gtttagcact ctatcaccac tacttttctt atccacagtg 240  
tcacgaatcc ggataagaga agaacatggc tttgcatctt ggctacaact agcttgagca 300  
acagcacgag acatatatct atccattggg ccatgggtat ttggtgcttt cctcttcctt 360  
gcatcattaa ttctcactag ctcttttgcc cctacacttg aactanggac agatagatag 420  
agtgattc 428

<210> 7058  
<211> 430  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 7058

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atcattgttc cccaaaacct cagtggaaat attctaagca acttcacctt tttcaattga 120  
aaatagctat tcaagatgaa tatataataa taataataat aataataatc acattgcatt 180  
tttagagtga tcgagaagat aattgttcat taactttttt aatttaacat ttgttaacta 240  
tattagatgc aacaatatat atagtagact aatactataa agaattgagat gcatacttgc 300  
gcaataaacc aggccgttaa agagaagcaa ctgcaaatca aaaacaaagt gccacgaagc 360  
atgttggttn tgtgtgctgc agtancagtt tgagcgtgat gactatggtg accaagataa 420  
aactccttcc 430

<210> 7059  
<211> 441  
<212> DNA  
<213> Glycine max  
<400> 7059

agcttattct atcccttgag ataatcccaa ttaagtactt gattcatggt tggatttcaa 60  
caaggctcgc caaagcgcaa gtcaatttct gaattcatct ataagatgac caatcaaata 120  
aatcattaa gtgcgaaaac agataaagaa ttcaagatga aatattgaat tgatagaatt 180  
aaaggataac aagggtagtt ttttcttctc ctaggcggaa ggaatcacac tcataataat 240



aatacaacga aacctagagt gtctaaatgg aataatggag gcctctagta ggtggaagtc 300  
 taaaatataa ttctaagaac tgctcaggat ttctacacgt tataatgaat gcctaccgtc 360  
 ttatttatag aattggagtt gagtgtaatt aatgagataa ttacatgaaa ttacaaacaa 420  
 ataatatctc taattatttc a 441

<210> 7060  
 <211> 461  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7060

tatttataga ctttcttcaa caaatgtttg ttgtctctaa atatcaagat ttcttttctt 60  
 tatcttgagg ctgaagaata tggccattgg agcatttaat gtttgatta aatacacata 120  
 cttcttcata ctagaactcg actcttcttg gatatcatgt tgaacacccc agtaggaaat 180  
 cgcttccttt tgcgttaaag cagatttgca tagtagagtg cttcttttga tggaaattag 240  
 cgaatttgag gacttggact ttatatattc ttcataggat ttgacagatc ctagagaata 300  
 tctctgtaaa acaaattctca nacacagtgt attaaattaa gtcttaaata tcattcttta 360  
 atgttgatc ggatcataac ttcagcttgc tatcttctga aacgtcggac acaaattgtgc 420  
 aaagcatggt atgatatcat ataagacaca acttgtaacc t 461

<210> 7061  
 <211> 305  
 <212> DNA  
 <213> Glycine max  
 <400> 7061

aagatacatt gatcattcgt ttgtgttgaa gctgctttac ctttttgact cagaagacca 60  
 aagagagagg gattacctga agactatcct ccaccgtatt tatggaaagt tcatggtgca 120  
 tcggccattc attacaaaag ccatcaacaa tatcttttac aggttcatat ttgagacaga 180  
 gaaacacagt gggattgcag agttgcttga aatattgggc agcataatta atggtcttgc 240  
 tttgcctttg aaggaagacc ataagctggt tcttgcccgt gcgttgatcc cgcttcacaa 300  
 gccta 305

<210> 7062  
 <211> 412  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7062

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 acaaagtact ttcggcacct actatatgtt gacttgacca atgctgttat tggaaatgttg 120  
 cggcaatctt tcaacacctt attcacacat tctgataggg ttgttgtcat gtgaccatat 180  
 cttcatccag atgtatcgta agccatgctc catttttctt ttgaaatgcg atcaatccat 240  
 gttgctatgg ctggactcaa ttgacgaaat ttttctaagt ttgatcaaa cacatgcttg 300  
 caaggagtgt accgctgcat caaattgtta ccatcaaaag ttgtaggtag atatgaaact 360  
 canatttact taatgtataa aataaacctt aagcaatttc ttgaaacttc tc 412

<210> 7063  
 <211> 466  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7063

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 cgcaccactc gcgctaagcg ccatcttctt cagcgctaa ctgagttctg ctaagcgcg 120  
 gacctgtgcg ctaagtgcga ttctcctttg tctgaataat ttcgagaatt gngctaagt 180  
 agagctcttg ctaagcccaa ttcttctttt gtttggaata gcactaagcg agacggatgc 240  
 gctaagcatg ggccactatt gcatttaagg agcattttat ttgctaagca tgaccttggc 300  
 ccactaagcg agagttgcag gaccaatcag agctacagaa ctcgctcagc gcgtatcttc 360  
 gcgctaagcc caaaaacttc tctagaattt caaaattttg tattgggctt agcgagtaga 420  
 tccgttaagt gcatgaantt tanaactaaa acgtcatggt gactcg 466

<210> 7064  
 <211> 440  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
<400> 7064

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atttgaataa atatatatga tctaataaga tgaacaaaat taatataaaa tatgtttagt 120  
ctgttagatt gtaaaatgaa cacaatttga aagacaaaata agaggaagat acatgttttt 180  
gtctaaatat gattggatat ttttctcttt atagcgcttt tctctctgag gtcttttact 240  
gagtttcata aaatgttgta ttggaggatg aaatacctac aaagatactg tgacgcttaa 300  
ataagattnt ggcctagagt aataaataaa catgttgtag taacctcaag tccacaagca 360  
tcgttataat cctcgtatcc gagatattat gcacttatat gcctggtggc catcacggtt 420  
ttatccttgt aaatacaact 440

<210> 7065  
<211> 440  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7065

tgatttcggc cagatcaatc cccaagagct ggcattgttt ggtaatgagg ctgatgggtg 60  
agaagatttc aaatcctgag aaatatagag atgaggagcc caagctggag tttgaagatc 120  
ccactttgta tcattatgct atattctcag ataatgtcat agctgtgtct gtggtggtga 180  
gatctgtggt gaagaatgca gtggaaccat ggaagcatgt tttccatgtt gttacaaaca 240  
ggatgaatgt tggggcaatg aacgtttggt ttaagatgag gcccatgaa gggggtgcat 300  
ctttagaggt gaaatcggtg gaagaattca cattcttaaa ttcacatcat gtccccgatct 360  
tgaggcaact tgagtcagcc aaaatgaagc agcggtagct ggagagtcaa gctgataatg 420  
ccacanatga tgcanacatg 440

<210> 7066  
<211> 360  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7066

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attgaaatat aaaaactgaa attaaaatga ctgaacataa atcataaaaat aactgaaaat 120  
 aaactaaaat gttcaagatg cacaaattta aatgtcctgc tccttttggt gtcctctgtgc 180  
 atgctcatta aggtccaaca cctaagcggc tagtgaatcc taagggatag gctgctctag 240  
 ctcaaagtct ggtgcagatg gtatggcatc atcaggtaca ggtgtagaag atggctcatg 300  
 aatgtggtct gtagaagtct cctcctcctg agccatgtat acacctgcat cacaataaaa 360

<210> 7067  
 <211> 425  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7067

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 tccctttcgg ttntagctac tatcccatatc ttcatctac cttgtccttg gtccattac 120  
 aaccttaaaa gaccttttga tctcatgtg catgtgcttg cgatgtggtt gtcaatttta 180  
 gagtcttgcc aagtctatgt ggtgtttggt ttcattgggtg ctctgagagt aaatagtagc 240  
 ctatacactt gagagataga gtgcatactt tgtgaggctc tatcactctt cattcttgag 300  
 ctgattgact atctcgccat atctgagatg cttggaggat ttcatgacg gccttgatta 360  
 tttaactntc tacgtgtcgg atgttaccca ttcttttcat tctttgagat tcaactgagaa 420  
 atatg 425

<210> 7068  
 <211> 354  
 <212> DNA  
 <213> Glycine max

<400> 7068

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 acagcacaga agacgatggt agtctctgcg tgctcctctt ctccgaggct tatagatagc 120  
 aaaaagggtg aggaccaaca ggctcccaca tgtcatcggg cctgagtat tatagatagc 180  
 agaaatatct caaaagtgcg ggaccacatg gttcccgcgt gtcacggggc ccgcccctt 240  
 tggatgacaa aagggtgcata agacgacggt agtctctacg tgctatcatg ctctgagtct 300

tatagatagc caaagtatct taaaagcgcg ggaccacatg gttccccgat gtca 354

<210> 7069  
<211> 359  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7069

agctctngaa gatagagaga agactcagtt gttataatgt ttagtttgac ctctagatct 60  
ataaattatt agaggatagt tgcataagtg gagagagaag gtacgagacc acctacacaa 120  
tgcataaaca aaaattacat catctctacc ttccataatc cttctatgtg ctaaaaggaa 180  
gcaaatagag tgaagtatag ccaaaacatc aatgaagatc caatcaatga gtgttgata 240  
gttgtaaaaa tccctcaaac agcttctcct tgtatgtaat atatatgcat cccacattaa 300  
ccatgtgggt taagtttgggt tatgagagaa gtgattggga gatcccatgg aatatgagt 359

<210> 7070  
<211> 212  
<212> DNA  
<213> Glycine max

<400> 7070  
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gcgattttcc accatggaga tgcagcggaa gaccaacgag aagacgtgag aggacgcgcc 120  
atccactacg gaataagcca tggaacaacg agcgtcacta ccaagaatgt gccttgata 180  
acaagcttga aaacgatgca ttaatggagg aa 212

<210> 7071  
<211> 458  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7071

agctngaacc ttgaatcttg attcttgata tcttatttcc tcttgaacct tgaagtgttc 60  
ttgattcaat cttgagcatc ttgaactcat tctttgattc ttgagatcat catctttgtt 120  
atcatgaagt attcttgatc tttgagcttt ttgtcatcac ctttgttatc atcaaaactt 180

ctttgaatca atcttgattc atcatgaagc ttgcttctac aatgaatgtg gtgagtagtg 240  
 caaccctctt ttgaaaatca cccatgcac ccatcatcttc atgattcaca tacatagggg 300  
 ctcattacgt aggtttattc ttattctttg tttcaataca aaccaggggt ttcatatggg 360  
 acaccttagg tttgtcatatc tnttnggtag gagtaatcaa catgaaaata taaaacaaag 420  
 gtatatnta ttgcattact ttccttanat tcttaagt 458

<210> 7072  
 <211> 189  
 <212> DNA  
 <213> Glycine max

<400> 7072

tgtagacag acggcctcag ttctcttaag aaggggggtg ttgttttacg ataacaagaa 60  
 ctctcgcgca attcgcttt cactctctgc tcttacatga acgatgcacc ctcaacatga 120  
 attactctaa agacaattct ccatagactg ctttaatgga agagagaact gcacactaga 180  
 ttcattgctg 189

<210> 7073  
 <211> 406  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7073

gcaagcttct acttatgtgg cagggcgggc tttcttact gtcttgtctc caacgcgagc 60  
 tntgaccact gttcttctt cccgcgatgc ttcttttcat gtccgcctga gtgggcttat 120  
 agcctaaacc atacttccca cgatttctt gggatattat caggctagtt atgccgccgt 180  
 tgtctttgcc taaacccatc ccgggttcat aaccgttccc caacataact cgggccatca 240  
 ttactgctgc aacggacaga caaggttgcc cagagaggga gtccacggag gaaatgctga 300  
 ccacctcaa agactggaaa gcnngttcta acgattcttc tgcggcttcc acataaggca 360  
 tagaggatgg gcagcttacc aagatgtctt cctcgctga cacgat 406

<210> 7074  
 <211> 433  
 <212> DNA  
 <213> Glycine max

<400> 7074

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gggcgttgaa gagaccgcat gggcatctcc ttccttactt tctgccctg ttgccccgat 120  
tcttttggcg ttcacgtttg tggaggaaac gtaatcaaac tttcctctct tcaatccac 180  
ctcgattctt tccccggcaa acaccagatc cgcaaagctg gacggcatgt aaccactag 240  
cttctcatag taaaacactg gcagagtgtc taccatcatg gtgatcatct ctctctcaac 300  
catgggagga gctacttggt ccgccaaatc cctccatcgc tgcgcatatt ctttaaaggt 360  
ttcacctct ctcttgaaca tattctgcag ttgagtacgg tccggagcca tatcagaaat 420  
gtactgatac tgc 433

<210> 7075

<211> 198

<212> DNA

<213> Glycine max

<400> 7075

tccggagcgaa cactggacat acttttggtt ttgcaagtga ggcctgacgt gttatgtgat 60  
gaaagcctcc gtatttgaga actctggtat attctaacca ttagagaatg cattaaagaa 120  
aaatattatg ttttaccgtg tgattcaggt gtgtgcgggg cattcacgac actcatgcat 180  
acgtgtcact tgtggagt 198

<210> 7076

<211> 404

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7076

gcctgaaact gttcgatcat attgaaacat catagtgtc tacacagtaa tagatattca 60  
aatttgacaa tatgtcaga aaattaatac aacgttcatg ttttcacatc taaaaagtcc 120  
tatattcgcc aatgtntgga acttaattag gccctacata taacgaactt ttttccttta 180  
aattcctctc gaaataataa ttcattcgcg aaagtactat agattgcgta ccgagacaag 240  
caactgaaca ttgaaaactg cccatcacaa ttaaagattt gataaatgta ttgcgcgttt 300

attttataaa cagtcaatat tttaaattat gatatgcact ctcatTTaat ctcccatgca 360  
ctgctgatat gtgaagtctc acaattaata acagatgctt gaaa 404

<210> 7077  
<211> 397  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7077

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acttctgaaa agatcatact cgtcttcatg caatctcttc gagcctcgag cttattgaac 120  
attccctagt ttttctccaa tattctttta attaacttct aaatgtcatg aagcctgctt 180  
atacattgat gtcgcgcttt tgcagtcttt ttttgacaac accctcgttc cacatctcat 240  
gattcatcct aagaccata cgccgcgctt atatttctgt tcaacaacac tcggtatatg 300  
gaccctacgg tgctaccttg cgcgctacca cctcaactac caaggaattt taccatctcg 360  
ctaattaaag gaaaaggctc cacacctaaa ataaact 397

<210> 7078  
<211> 434  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7078

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tacggcggtta ctaattgcag tattgtgagt agtatattaa caaataaatg aatgcatagc 120  
ataaattagt tnttgccctgt tccataaatt gtaagatgat acgcaagccc ttcttgcatg 180  
tgtgtgcaaa agaagtagat caattgcatt gtgtattaat atattatagt tggtaatttt 240  
ctttacggtc tctatcatga actaccgca tttggtggtt gcttaattct aagtagaaat 300  
attctattgt ttttaataaat tgagcaatgt gaattaaatt acgacacttg tagaatgtaa 360  
ttattttgaa agaaattcgt cttattttgag tggcatatct gtaataatag aacagatcnt 420  
aatgaaaaaa cgta 434

<210> 7079



<211> 427  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 7079

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 aaatcaactt tgaaggacct cattgaggct caaagatcca gcttccatag aagcttctta 180  
 agcaagcttc catcagagaa attcacctag aaacacctta tctggaagta cgacctccca 240  
 tacaccattg tcacggacaa cgacactcaa ttcaaggctc agacttaca agaattcttg 300  
 gaaggctagg catcaagcac ttagtcacct ctatcgaaca tcatcaaacc tacggacagg 360  
 cagaggtagc taacanagtc atccttaggg ccttacgtac tagactcaat aagtctaaag 420  
 gtctatg 427

<210> 7080  
 <211> 428  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 7080

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 gnggatggag agaaagttag attctggaca gataagtgga ttaatcaaca ggagtcgcta 120  
 gcagaaaggt accccaggct gtttattata tcttcacaac agaatcacac cattaggcag 180  
 atgggaactc aaaatgacac gggctgggaa tggaattttt catggagaag actgcttttt 240  
 gacaatgaaa ttgatactgc catcagtttc cttacggagg tagaaggaca aaccatacag 300  
 caacaacaaa ttgacatttg ggagtggata ggagattcat cagggattta cacaactcgt 360  
 agcgcttaca atctgatatg ggaggaaatt gctggtggcc aaaaggagga ttggagtatg 420  
 gaactatg 428

<210> 7081  
 <211> 427  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
<400> 7081

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tgcgattcta ggcctatgaa cccaagcttt taatttcaat acaaaggagc atgacttacg 120  
cctagaaatc taagttttgg ttttgaatgt aaaaggcatg aatattggga catgtttgag 180  
aggtttttga tttgaattta aattggctgc ctcatgagga ataccttgca cctaggtagc 240  
atggaaaata cctttcaatg gtaggtatat atgtgaatat atatagcatg gaaatgcctt 300  
gcaaagtgtg tgaatatatg gcataaatat acctcgcaaa atgtgaatgt atagcaaata 360  
atgcatttca nanatctgta tatgtaagat aggtagcgta aaaaatgcct ttccaaatat 420  
gtatatt 427

<210> 7082  
<211> 461  
<212> DNA  
<213> Glycine max

<400> 7082  
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tgggcttggg gccagtcacg cgcttgagcct ggcaagagac aaatgtctcg cttagcaagc 120  
tgatctcgca cttagcgtgc ggcctagatc cttgtgctct tctagattcc cttgtcacgc 180  
taagcacgct gaagctatgc ttagccgtgg atgtgcgctg agccacaggg gtccacttag 240  
cgcgactact ccttttagca cttcaagatt ttagcctctt ttgacctaaa attgaacaga 300  
tttcatcatt aaataaaatg gaaaatatct tagagacagc tataacaatg aaacaagatt 360  
tatttaccaa tctctacaaa aataacaata aattggggaa actatacaag ttttggaaaa 420  
tgtcttctat acaaacagta gttgtataag atgactaaca c 461

<210> 7083  
<211> 443  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7083

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gccaaacttc ttcttctagt gctccattaa ttaggagtnt gattcctgaa aggtgcagac 120  
 acacctgcag gctaccctg caagccacct gctaatagaa cattgatgac tttgtgtaca 180  
 ctaggttata gctgaagctg caaatgtcat aaacataatg aatgatgttg tgaccccagc 240  
 ttttgtggct agatcccatg tcttaattat ttttttttga actgcaaaaa taatttatat 300  
 taaaagataa agagtaccag ggttactata taaacacaca ggagtaaaga tctcctgaaa 360  
 atgataacaa aaatacaaca acccaacaaa aacagccaca nacccaaattc tacacacca 420  
 ctctaattaa aagctataga cat 443

<210> 7084  
 <211> 404  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7084

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 aatgcanttt tagtttaatt atttattaga ctcttttaatt tgaaaataat atagttcgat 180  
 ttaatatgta catgttttgt gccatgtaaa tattaatatt gtgtgatgtc tatatgattc 240  
 atgagatgtg ataacatgtt tcattgagat tataacattg tgattgaaaa taaatataaa 300  
 tgtttgatta atacttgatg tgatattact tgtgttgtga cttatgaatt ggtgaatata 360  
 caataattcg actggtgttt actttgagaa aaatgtttat gtgc 404

<210> 7085  
 <211> 463  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7085

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 atttgcaaaa gaacatagac cacagactct tggaacaggt gcagatgcaa atttcttatt 120  
 catggcaagc tgagttacta gggtgaccaa ggcataagat tttgcttcag gctttttatt 180  
 ttcagcagat gaagatgaat ccgtggccac ctcatggact cctctaagga caatagcatc 240

atttctcgca ctgaattgtt aggagttgga agccattttc tcaatcaa at tcc tagcctt 300  
aatagaagtc atatacacia gagctccacc actggcagca tcaacaatac ttctctccat 360  
gttggttaagt cctcataga aatactgcag aaggagtngc tcagaaatct ggtggtgatg 420  
acagcttaca cacaatttct tgaatctttt ccagtactca tac 463

<210> 7086  
<211> 463  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7086

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acaaaatata tgaaaatata aaaaaaacgt cctactata aagactactc aaaatgcctt 120  
aaaatacaag gctaaaatcc tatactaata gaatggccaa aatacaaggc ccaaaagaag 180  
gaaaaatcta ttataatatt ttcaaagaag agaggaccca accttggtcc atgggctcag 240  
aaatctaccc ttggattcat gagaaccccc aggcttctt tagcagctct agcccaatcc 300  
tcttgagtc ttctatcaa tacccttgcg gngtaggatt gcatcatcct tgctcttcca 360  
ttgaactcga cgagggtggac ggctcgaact tctccattg ctctctctgt ctctgagtn 420  
gggaggggtga actcaccana naanaaagat attttaatac act 463

<210> 7087  
<211> 459  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7087

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tagcatcatt tctggtgcta aactggtggg agttggaagc catcttctca attaaatttt 120  
tggcttcagt aggagtcatg tctctaaggg ctccaccact ggcagcatct atcatacttc 180  
tctccatatt actgagtcct tcataaaaaat attggagaag aagctgctcc gaaatctgat 240  
ggtgagggca actggcacat agttttttta atctctccca gtattcgat aggcctctctc 300  
cactgagttg tctaatactt gagatatact tctgatggg cgtgggtccag gaagcaggan 360

attntttttc taagaatact ttcttaaggt catcccagct cgtgatggac cttggagcaa 420  
 ggtaatacag ccagtccttt gccactctct ctaaagaat 459

<210> 7088  
 <211> 414  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7088

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 aggaccaaga cctcttcaca agctaagtat caaaattctt ctctgcctta ttcattgatt 180  
 ggtattgctt ttatacacia ctatggaagt gcatatgtaa cagaatccta acaatcttta 240  
 acagaatgat aatcgcttct aacaacctga atattgntat aactattatt tgaactccta 300  
 tggcagattc ctatgacaga gcactcgtgt gatcaaacga aatccctcaa gtgactangc 360  
 cttgtactga tcttcttggg cctactgctg catcttcttc ctatcanagt catg 414

<210> 7089  
 <211> 474  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7089

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 agctaaaaca gttccaaatt attgtatgag catttatcat tttccaaaat ctttagctaa 120  
 tgaacttcat aagatgatga gctccttttg ttgggggtgcc aaaaggagtg gtcatagagg 180  
 gattcactgg atggattggc acaagctggg cagttcacia ggaacatggc ggaatagggt 240  
 ttaaagacat atatggattt aacctcgctt tacaaggga acaagggtgg aatctattga 300  
 aaaaccaac tgctttgggt tcaaagattt tcaaagctag atattatcct aaagcggatt 360  
 tcttgggtggc cattgagcat aaataatcct tcatactctt ggagaagcat atgcaattct 420  
 tgggttctat taagggaaga ctatagatgg aaagttggaa atgggtcatc aatc 474

<210> 7090

<211> 441  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7090

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cttcctttgc caaaaagaat tcgtcaagga ctaaccgcct gaattctttt tgtatctctc 120
ttctaccttt tccaaaagaa cgaaggatta actgcctaaa ttcttttgtg tctcccttct 180
cccttggtcaa agaattcaaa acgacaatct aagaattctt ttgattcttc ctttcccat 240
aaacaaaagt tttcaaagga ctaaccgcct gagaattctt ttgtttccc attcaciaag 300
tttcaaagga ctaatcgctt gagaactttg tcttaacaca ttggagggtg tctcctttgt 360
ggtacaagta gatgatacat ctacttggtt tattgtgact gagaacaaga gagggtacat 420
ctcttggtga ttcagtctag t 441
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<210> 7091  
 <211> 391  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7091

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tcttacatgg cttattccct agtggatggc gccacctctt acctcttctt ctttgtcttc 120
cgctgcatct ccatggtgga aaatcaccat taaaggacct cattaaagct caaagatcca 180
gcctccatag aagctccaca agcaagctct catcaagtgg tatcagagca taagagcttc 240
aagtaggtgc tccttaaacc tccattaatt atttgcttta ccttctcttt cattgttgc 300
tcttcattct tctccatgta tctactcaca tgtcttgggc taaatgttgt taacatgatt 360
ctttagagtt tccnccgatt aaacttgcta t 391
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<210> 7092  
 <211> 445  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7092

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gctaacgtag aaaggatcag tgagtcaata cctgtcagag tttgaagacc tcgcgaatcg 120  
aattatcggg ctgccatctc ctttcctcct aagttgcttc atctccggcc ttacttcgga 180  
gattcgcagg gaggtccaag ccaaccaacc tctcactttg gttcaggccg cgggcctcgc 240  
aaaactccag gaagaaaagc tcaccgatag ccggaaccct ccgcgagcta gagcgccacc 300  
actagctcta aatctcattc gcgccaacaa cccaactgct gacgtttgcg cccttggtcc 360  
gccgttacta ccagctccgc ctgcccacc acaacctgtg atgaagcgtc tcaccccgga 420  
ggagataacc tcacgccaag aacat 445

<210> 7093  
<211> 355  
<212> DNA  
<213> Glycine max

<400> 7093

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acgcctacac aggcaaaccg aatatgatgg cagaaacgct cggaaatacc atgactttaa 120  
gggggtgttc gattactgaa gagagaatcg aaatacgaag accattatgt gagcttcatg 180  
tggatgtcaa acattctata ttcaactctc attcacaaaa ttatttctta ttattctttt 240  
atcctttaca tcaaacctgc cttaactggt cgaagatctt tttttcttta aatgagcacg 300  
accgtgaaat taaacgtcca attattaaaa ggaaactgat ataattagca cagac 355

<210> 7094  
<211> 417  
<212> DNA  
<213> Glycine max

<400> 7094

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aatctgcacc tgtcgccaga ctatgtgggt tatgtcctc tgtcgaccac cacacagacc 120  
tttgccttc tgtgcaacaa tctgaagaaa ttgaatagcc tgaagcttat gctgcagaca 180  
tccacaacag acctcctcaa cctcaacagc aaaatcagcc acaacagaat aattatgacc 240  
tctccaacaa caggtacaat cccggatgga ggaatcatcc caaccttaga tggtcgaatc 300

cttcacaaca gcaacagcaa caacaacaga cttattttca aaatgctgct ggcccaagca 360  
gaccatacgt tgctccacca atccagcagc aacagcaaca acagccccag aaataac 417

<210> 7095  
<211> 473  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7095

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tgaattcctt gcggcactgt aagcgctaag tgagtcctta tcagctaagc gcatacttct 120  
ctatactcaa gatgcatcat tttagctaag ctggcccaga acccggtta gcaacagttg 180  
catcttttct aatctgcaga cctcgctaag cggacttata cgcacgctaa gtcaagcctg 240  
tgtgctaaaa aaaaaacttg aatttcaaag ttaggctaag cgcacggtgc cgcanagcga 300  
gcattcttga aaaaccaaac gtcacttcca gaaagcaaaa tggcttatgt gaggtaacg 360  
gcaactactc tcacatttgt tggaaactga tgtattgcct gcattcttct tcttgactc 420  
attctccttc attntcgcct tcttctgcat canagcatca acaatacaag taa 473

<210> 7096  
<211> 410  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7096

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aactttgggt ttcctatgta tttcatctca aattatttct tcaatcaatc tatagctttt 120  
ggaagctctt caaaagttcc aataatatat acgtcatcta cataagcaat gattatgaaa 180  
atatattttt agattttcct gaaaaatgac aaataagatc attttaatat ccttccttta 240  
acaagtactc actaagtcta ttatacaaca tgggacttga tggctttagt ccatacaaag 300  
tattcttctt gagaatatgc attattggac aaactatttc ctttaaggag ttntatgcan 360  
atgccattat aaatagagtt atataagtaa gatgtaacaa tatccattat 410



<210> 7097  
 <211> 392  
 <212> DNA  
 <213> Glycine max

<400> 7097

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 tcacccctaga gatctgggta gaatattgca ttacgaagaa cagagaattc atcagctcat 120  
 gggttcattga gacaggagaa atcaccattg gtgttaaagt attgtgtatg ctagtcatct 180  
 catctgtgct attgtacagc ttgttttagct aaagttatct actgttgtaa agctttcagt 240  
 gcaagctagc tctagcctct agtatataaa ctgattactg atctgatcta tcagattgta 300  
 aaggtctcag tgccagctta ctatgattta agcttataac agatatacct tttaaataata 360  
 atatgggtca caccacacat ggatgaaatg at 392

<210> 7098  
 <211> 380  
 <212> DNA  
 <213> Glycine max

<400> 7098

agcttctttg gagaaacttc cttgagaagc tatagcttag gtgcacacac ccctctcata 60  
 actaagcgca cctccttgag aagcttgctt aagaagattc ctaaagatgc ttgagcttag 120  
 ctacacatac ctctctaata gctaagctca cctccttgag aggagaagcc agagcttagc 180  
 tacgcacgcc ctataataac taagctcacc cctatgacaa agaacatgaa aatacaaaaa 240  
 aaagtgccta ctacatagac tactcacaat gccccgaaat acaaggctca aaccctatac 300  
 tactagaatg gccaaaatac aacgcctacg aaggagatac ctattctaata atttacaag 360  
 ataagcgggc tcatacttag 380

<210> 7099  
 <211> 439  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7099

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catgtgtaac acttggtgta actttgatga atgagagtct tgtgagacat attcaaagtt 120  
ccacttctct cccctcttta ttccttcaat ttctgtctcc cccctctctc tttctcttcc 180  
tctttctttt cctccattga agcatccttc caagcttctt atccaaggct catcttggtg 240  
gtgaagctcc ttcttccatg gcttactccc tagtggatgg cgctctctct cactcttctt 300  
cctttgtctt ctgctgcac tccatgatgg aaaatcacta ttaaaggacc tcattgaagc 360  
tcatagatcc agcctccata ngaagcccac aagcaagctt ccatcatata catattattn 420  
tctattactt tnttttaat 439

<210> 7100  
<211> 371  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 7100

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gcgactggtc cctttcttcc ctctcgaaact tgagttcatt attgctaccc catagagctc 120  
cgcgaaattt gttccggcca tactcttctt tgcgagccct cttggtctct ttttcaaggg 180  
ctcttgcggt aattgcattc tcttcccgta acccggcgca ctcttccga acgtgtgtag 240  
cagccaactt gaacttctcc ttggcgagtt ttgcctttcc taactcgctt ttgagagctt 300  
ggacttcttc gtctcttccc ggtgcttcaa aattctcttc gctgacgact tttaacttgg 360  
cgagccaatc t 371

<210> 7101  
<211> 382  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 7101

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attgctccc tcgcccagta ttatgatcag tcgttgaggt gcttcacctt tggggacttc 120  
cagctatcac ctatggtaga agaatttgaa gaaatcctag gatgtcctct agggggaagg 180  
aaaccatacc tcttctcagg gttatatccc tcattagcta gaatttcaa gatagtccaa 240

atctcggcac aggaattaga ccacagaaag caagtcgaaa atgaggtggt tgggaattccg 300  
 agaaaatatt tggaggcaaa agcaagaatc tatgcaggta aagacgagtg ggccccgttc 360  
 atagatatcc tcacactggt ga 382

<210> 7102  
 <211> 457  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7102

gagctngctt ctacaaccaa ttgaatagga acatttgcct ttggaggcat gggtaaggga 60  
 aagattacta gtataggtaa aatccgtggt cctttcttag cctccataga caacgtctta 120  
 tatgttgaag gtttgaagta taacttattg agcaaagtta agtttgcgac aatgggttata 180  
 ttgtgtcctt caacaaagac caatgtatag tcaagataca agatgacaag tncctattta 240  
 ctactaaatg acacaacaat ctgtatgaga ttgatctgat aggtctaagt aaacaaaata 300  
 taatgtgtct gctttgtaga gaatatgaga gatggatttg gcacaaaata tttgggcatg 360  
 tgaatctgan acatatctca caactttctt aaaaaggaat tagtgaacag acttcctaag 420  
 atttgttgaa actctcatct tctctgtgaa gcatgtc 457

<210> 7103  
 <211> 479  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7103

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 ataatcattt atcaatataa ggagaagggtg aacctggctg ctagtcatgg gcagatgttg 120  
 gaagatgaat aggcaaaggt attggctctg caaattgaaa ggggaagcgag agagagagag 180  
 ggtgatggag ttattgcatg ggggaagccat gaaatggatg aatagattcg ctctcactct 240  
 gaatgagagt caagagtttc caaggttggt agccagagcc tatgcagtgg ctgacacgca 300  
 ctcagctccc gacgaagtcc atgggtcttt cgattactgc caacacatgg tcgaactaat 360  
 gaccacata attaggagtc actaaggcat ttgtgttgta tttatgctnt gactctaaca 420

agatgtgatg aaacatgttg ttttaatgaa atanggattg atttgaccct atgttctat 479

<210> 7104  
<211> 472  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7104

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ttattcteta gtggatggcg cctnctctcg cctcttctcc tttgtcttcc gctgcatcta 120  
catggtggaa aaccaccatt aaaggacctc attgaagctc agagatccag cttccataga 180  
agctccacaa gcaagcttcc atcatatacc atgcaagaaa aacaaaatga cataattaaa 240  
actgagttgc ctcccagaaa gcgcttcttt aatgtcatta gcttgacgct tttacctcaa 300  
tgggtgaata tccatttgte ctttaacttc aggacctcct taccacctg catcacttgc 360  
aagcagacat tttgatatga cataggctng tcttcttcac atagatcana attgatcttc 420  
tgatcttcaa aacccatctt caatgtctat cttcccatgt caactacaca gc 472

<210> 7105  
<211> 470  
<212> DNA  
<213> Glycine max

<400> 7105

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cccagataac cgatgtagaa tcctgcttct ctagtagtga taaatTTTTT atcttagctt 120  
ccatcttatt atcaagtgtg tattgttact aaaaaattaa atataaaata tgaaaattta 180  
aaaatcttgc gtttggtgtg ggaactttca accttggcg atcttggtga tatcgcaact 240  
catgattacg atcttaatga tatcgtaact cgtgactata agtgcatttc cataatttag 300  
aaattataat attcttcaat cattcaaatg acacttgttt atatgatttt tgaaaataag 360  
agatcctttc aattggaaaa caaatagagt ttaataatta gaatatttat ttttattgga 420  
aattagcaat tagatattaa caaagaagaa aacacttatt atataataac 470

<210> 7106  
<211> 438

<212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 7106  
  
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 taagatattt gaagttagt gacctttgct ggatcatatc actttcattt cgatttagtc 120  
 ctatagtttt attttatttt agttcttatt gacaagtaat agtggttaact aataatgcta 180  
 cagtcattga caatttattg aattgtcaca tctcaagagt cagacaagggt agtcgtgtgt 240  
 aattnttttt tttgtaatct atacactntt aaattttcat ttattcaaaa tagtggatga 300  
 cgttaaaacta gctaggggaat tttttattag tcgatgttag ttggttagttt ttttgtagt 360  
 agaaggattc gaaccaacaa catcttcgtc atttctttct ctcttcacca ctaaaccaac 420  
 tttatgacgt ccaattag 438

<210> 7107  
 <211> 357  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 7107  
  
 acagaataat ccgaaaatgt cagagaattg nggtgtgaat tagcataaca agactttctg 60  
 tgattgggtt aaagatacaa tctttgcaga tgagaatgct taagaaacat taagatagct 120  
 atcagatggg cctaaaagaa atgttataac ctggcaaaga tacgacataa acaggatttc 180  
 attttacaca aaagcacaag atgacaaaag tacgatgcag aacagtgggg ttaccctaag 240  
 ggctgaatct caacactttg caagtgtcaa tgacgccaat ccttgtgtag cttccatccc 300  
 ttactatggg ttcatagatg aaatttgaga gcttaactat gtgaaattac gtgatgt 357

<210> 7108  
 <211> 354  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 7108  
  
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gttgccatgt ttttgatgag gacatgacca agagcaaggg caaggatcca cttgaaggac 120  
 ttggaggacc tatgacaagg gctagagcaa ggaaagccaa ggaagctctt caacaagtgc 180  
 tgtccatact atntgaatac aagcccaagt ttcaaggaga aaagtccaag gttgtgagtt 240  
 gtatcatggc ccanatggag gaggactaaa tgacaccact ntgtctcaat ttttagagtg 300  
 tttagtttgg ctaaataatg gcccaatcct tgtaaagttg gctgacccaaa aata 354

<210> 7109  
 <211> 320  
 <212> DNA  
 <213> Glycine max

<400> 7109

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 atgtccccga ctctgacatg agcgtgaaaa gatgtgacca ttctattgtg tcgagagctt 120  
 atgatgttca gtttagaacg tctcgatata ttatgagacg cgcactctgac gtgaagtgag 180  
 acaatccctg atctcttgga tattttccag agcttccgga gattactttc aagcgtatag 240  
 atgagctatg gacacgaacc gcacattcca gtgaaaactt gtgacggttc gaatttctcg 300  
 agagctttcg gtggccaatt 320

<210> 7110  
 <211> 467  
 <212> DNA  
 <213> Glycine max

<400> 7110

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 tcttttccct tcttactatg gaaagcctgc cttacaggcg gcttcctaac acactcttaa 120  
 ccatgcaaca cccattactg gttgacaaag atgatacata ttttaataagc ataattgagca 180  
 tcctatccta tataactgga tattaataat tacctaactc ctctgccgtc attattccaa 240  
 acccaatggt agaaaataaa atctcggaga ccttctcaga ttatgatata cagcagcagc 300  
 attattaataa ttgttaccat ctctatacat ggcatgtatt cccgtacgat atacaaaaaa 360  
 gatattgata acacatggta tatgctagta acgtcccgtt agtggttaaca gagactctag 420  
 tcactagaga acatcttgga gaacacatta acacagagaa ctccatt 467

<210> 7111  
 <211> 475  
 <212> DNA  
 <213> Glycine max

<400> 7111

actaagctta caagggaaga taacacctca ttcataatttg gtcgatgttc aagatctggg 60  
 aggggtgcagc acaatgataa cttaatgagc tctggcaaca cttcgtcatg gtcaacatcc 120  
 caggtaaaca aagggtctac aatattggca agttgtttta ttccattttt aagggtcttt 180  
 gtcactactt cacgcaaagt gattggcaaa ccatactctt tttagagtcc tgcggcctt 240  
 ctttttgtta gaaactccat tactatgaca ccgaagctga acacatctgc tttagtgggt 300  
 acttttctca tgtaggcaaa ttctgaaaat tacacagcat aaatatcttg tttagagagt 360  
 gaaacttata aaaactctcg ggtatacaat gttaataaga taagaggatt cgaaacatag 420  
 tgacaaaata agacgttggtg taattgtgcc agtcttggtc atgctacctt ctctg 475

<210> 7112  
 <211> 263  
 <212> DNA  
 <213> Glycine max

<400> 7112

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 tcagcgcgct tagcgcaacg gagaatctag cagagcatta tcatcaaagc cgcacgctta 120  
 gcgcgagatc agtgcgctaa gcgcagaagg ttcttccagc tatgctaagg tcgagactgg 180  
 tgctaagccc aatttcactt actcgcgcta atctcgaggg tggcactcag cgcaacatcg 240  
 cgatttcaag cctattaaag tct 263

<210> 7113  
 <211> 475  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7113

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 gaaattgaag gaagaaaaac ggagagaagt tgaactttga gttgtgtttc acaagactct 120

catccatcaa agttacaaca agtggttacac atgtttctat ttatagacta ggtagcttcc 180  
 ttgagaagct ttcttgagaa aacttccttg agaagcttct ttgagaaaac ttccttgaga 240  
 agctagagct tagctacaca caccctctta ataactaagc tcacctcctt gagaagctct 300  
 cttcagaaga ttcttaaaga agctagagct tagctacaca cacctctcta atagctaagc 360  
 tcaccttctt gagatgagaa gctagagctt agctacacan cccctataat atctaagctt 420  
 cacccatgac aaaatacatg aaaatacaaa aaagtcctta ctacaaagac tactc 475

<210> 7114  
 <211> 264  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7114

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 tctcttatac attaattggt ttatatgaac tgggagaatg attatataat tagaaaaaca 120  
 ttgtaggagt aaattttcta tgagacattt aaaactaaca tgaaagatga acatagaaaag 180  
 cctgaccatt gtgtcaatta atgtcattgg tatattgcaa tatgacttat aataaatgaa 240  
 tatatgctta taattganat atga 264

<210> 7115  
 <211> 459  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7115

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 tttctatcct tatacccata gtaagtattg acatttatcc atattttatt tttccattat 120  
 cagctgacaa ggttgaagct attctatcta attttttata gataattttc acacatcaat 180  
 gaaaactcac ataaaaataa ataaaacca tgcacaatac aaaaccttat atttcttttg 240  
 tattatatta attatataaa aataaatttg aattataatt gaatatgttt gctgttttga 300  
 gaacccttg aatcactatt aagatacttg attgaaaagt ttaaataatat caataaatat 360  
 atgttttaac atatagtatg acacacattt attatctctc tatacattaa taatatatta 420



cattagaatg gataaatgca tatgtatata tatatatat

459

<210> 7116  
<211> 433  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7116

agctnggtaa tcgaccacac ctctcggta atctattacc acaagccctc atggcttcct 60  
gacctcggtg tcaagcctgg taatcgatta cccccgtgg tgatcgatta ccagagacca 120  
tcttagcctc ctgtcttcat ctttaggcct tgtaatcgat taccaccctc tggtaatcga 180  
ttaccagagg ccataaccca tatatcacac aagattcaca gctggccagc caccacacaa 240  
gcctccttgc tttgtggtcc ttgctccttc tatctgtaga ctgccangag ctgcctgct 300  
taggtacatc acaggttctc actgactgac tatgcccggg ttgggtcggg attggtcaag 360  
cttggttttg ggcaatagca ccctacctga cgtacacagg tctcctgacc cccgcgacat 420  
atctacaggt acc 433

<210> 7117  
<211> 464  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7117

cgtcactcan aacaactcat tgtgcatgaa cctattgaat ctagctntca acattgaaat 60  
aaagatataa caattgaaat tgtaacatct cattttctta aaactaattt taagaaaatg 120  
ttatttataa ataaatagag ttttagaaaa atgatgagat ttttgtaatt aaatgaataa 180  
gaagaaataa ttgtattaaa ataatggttt gagagaaaat aaaaaggata catttgatag 240  
gaaataaaat agagtgtttg tttataaagt aataaaaaaa tagagtagac aatagactaa 300  
gagtatctaa ctatgaatag agacatgcta ggtcatttnt aactntctct cctctcagt 360  
ttgcgtntct ttctcctcct ctaaacctnt ctattccgca tccaccaatt tatccagaa 420  
aatgtgatct cgactcattc atcgtggatc gcataatatt aaca 464

<210> 7118  
 <211> 367  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7118

actatgaatg acaaattcct tgggataaag gtagtggtgc catgttttca aagcccgtac 60  
 taaggcatac aactccttat cataagttga atagttaagg gtaggaccac ttaacttttc 120  
 actgaaataa gcaattggat ggcccttcttg caacaacaca gcccgaatcc caacatttaa 180  
 agcatcacac tcgatttcaa aagatttttg aaagtttgca acgcaagtat gngggcatta 240  
 gttagctttt gcttaagaat attgaaatct tcttcttggt tctctcccca ttagaaacca 300  
 acatttttct tgggcacttc attgagaggt gctgtcaatg tgctaaaatc attcaciaat 360  
 cgtctat 367

<210> 7119  
 <211> 423  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7119

tcaggctgct caattgctcc aggttgctgc atggaaaggc aaatgtctgt atggcgggtca 60  
 gcagaggagc acaaaccaca aacccttgcg acaggtacag atttctgatt caaggccagc 120  
 tgggttacca agatgaccaa cgcattccagt ttgccttcaa gcttcttagt ttcagatgat 180  
 gcagatgggt ttgtagctac ctcatgcact cctctaata ga ctatggcatc atttctggcg 240  
 ctaaactgct gggagttaga ggccatcttc tcaattaaat ttctggcttc agcaggagtc 300  
 atgtatncaa gggctccacc actggcagca tctatcatac ttctctccat attactgagt 360  
 acttcataaa aatattggag aagaagctgt tctatgatct gatgggtgggg gcaactggca 420  
 cat 423

<210> 7120  
 <211> 395  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<400> 7120

agcttgatc aatatttaaat tataaatatg tcttgggttc ttatattatt cgactgcttc 60  
tttntatttg gaaaagaaaa actatcatct tctccttgga tgacatagtt ntctcatgca 120  
atttgagtta atgattagtc tccgtccctt gtgtgctgct aactatgaaa tgtgaatgga 180  
taagcttgag atgttcacat atccctttca agatctttgg atttggagat aatttttcct 240  
tggtttgggt tggtttattct acatcttttc tcacggaagc ctttcgggaa atctatatcc 300  
ttaaacatgc tctttccttg ttggttgaaa tttattagaa tttaccacaa tttgagtgcc 360  
accccatgtt tattaagtga ttgggaattg ggttt 395

<210> 7121

<211> 340

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7121

tatcctgcta ctggtggaca aaacttanag acattttttt atattctatt cgtatatacc 60  
tatgctcgat atgcgatcat tctaattctat gtgctcagat agaacaaaag taacataggg 120  
gtacttctct gaatgtagat cgaaagtgcc tccaccacat tcccaaacad gcattatatt 180  
attctttaat ataacataaa tgttaccgca caccatttgc acacaaatat tccgcattaa 240  
atatcaagtt aagttattga agagaactct agttctcatt agagaccaac gccacaaaca 300  
ctccaaagga tttgcatata agactatttt ttattctgta 340

<210> 7122

<211> 439

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7122

agctngttna aaacanaata naaaccactg ttacaccac cttgttttac acatggaact 60  
ctcttgtttt gggcctagcc caattntggt aagtcacaaa ataaaaacca ttatttaaac 120  
acccctcttt tacacatgca ccttatctcg ttgtaggcct agcccttttt acacatgcac 180  
catcttccat tataggcctt acccttttgg gcctagccca tttttgttaa gtctgaaata 240

aataaatatt gctagtcaag ttccctcaat tacacatata cctgctttcc tttgggccta 300  
 gcccattttt gttaattntg aaataaaaata aaaaattcta tttacacctt ttcttttgta 360  
 ttttatacat gcacnctctt tcattgtggg cctagcccat ttttctttgt ctgaaataaa 420  
 ataaatacta ctaactaca 439

<210> 7123  
 <211> 453  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7123

ctaagcttcn tagtctctaa agcagggttg ggtcccgat acaacattta ggaataatga 60  
 gaactctaac aggttaaaac ctaaagcaag gttgtgggcc tcgatacacc aaatcagaaa 120  
 ttgtattctt ttctctccat ctggcgagaa acctaaggta ctaaaaggaa aatgatgatt 180  
 tggttgagga agaatacaaa accaacagtt cctcagactc atcaattccg ttgtttatca 240  
 tggatccaag tattcttcac aaccctctt gataatctaa cttaatgtgt ttccgatgat 300  
 tattggtatt ttattaagat ccctagaata tcatataatt ggtatcagag ccaccattac 360  
 tgttagatta tcgggaatta aagatatntg cgttgcgtta tacctgtatt atctcggtac 420  
 atgaaccctt attntattttt gggattttat ctt 453

<210> 7124  
 <211> 369  
 <212> DNA  
 <213> Glycine max

<400> 7124

gcttaagctc cttcaactgc acaaggctct taatatttta agagtatcct tgtggaacct 60  
 tgacccgacg aagacactga cagaaactta tcttctcctt cttggacaaa gtatgagatg 120  
 ctggggggcaa gtaaattctc ttcccatcag accttggatg cgactgtgat cttataccta 180  
 tatcagctag atcttgacgg gtattcaagc cctccttctg cttgccgtga atgttaagga 240  
 gcgtcccaat cacactgtca caaacattgt tctccacatg cataacatca atacaatgtc 300  
 taacgtctag atcacaccag tacggaagat caacgaaaat ggacctcttc ttccatatgc 360  
 aactctgac 369

<210> 7125  
 <211> 468  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7125

ntctccctat gttgctataa ataggggaag aagtgaagaa gattaggggtt cagcccctta 60  
 ggcactttctc tctcttttoga atttgctgag gaaaattatt tccgtgaaga aaatccaagc 120  
 cgaggcgctt tcgtaacgtt tccgtaacat ttccgtgagt aattacgcga agattctcga 180  
 ccgtttcttca agatccatcg ttctttcttc gtntcttca gtcttcaacg ggtaagtacc 240  
 tcaaaccaag cttttcaatt cattatatgt acccgtgggtg gtccacattg tgtttcatgt 300  
 atttttattc tcgatttcgt ttacttttta taccactttt tgacgtgctt aagccattta 360  
 tttaagtcgt ttctcgcta atctaaaaat aaaataaatt tccaccgatc ggttgaattg 420  
 tgtcatccat taattttggt taaaatgaat tccgaccatt cggtcgtg 468

<210> 7126  
 <211> 264  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7126

agcttagccc cagaggggat ggacctcttc atgttttggga gaggatcaat aacaatgcct 60  
 ataggttgga cctcccagaa gagtatagag tcaacatcac ttttaacatt nttgatttaa 120  
 ttccttttgc acgttgagct gatattgagg aggaggaact aacatattta aggtcaaadc 180  
 ctcttcaagg ggaaggggat gatgcaatcc tccctatgaa gggaccggcc acaagatcta 240  
 tgagcaagag gctccaagag gatt 264

<210> 7127  
 <211> 444  
 <212> DNA  
 <213> Glycine max

<400> 7127

tctatataag ctgaaccagt ttatcaataa acacaagttg agttgtattc agatcattag 60

agtttatctc ttttatctta gtgaaagtga ttctcctaaa ttcttgagtg attcaagaac 120  
accctggctg tatcaaagga ctttcacaac ctttgtgtgt tgccctcgcc ggaaagagtg 180  
attctttgct tcccttcac ttcgaccttg ttctttcaaa ccacaattca aaaaaaatcc 240  
acttctgtct agaattatct tgtggccata actcccattt tacgcactca aattaagtga 300  
ttcttgagcc taaattgaat ttcaaaacga gacctttcac cttgttttgg aatcacctca 360  
tttgagagccc tgtagctcga gttattgtca tttctatctc tctgtccagc caccacttaa 420  
ccgacgattt accatcgcat tcat 444

<210> 7128  
<211> 486  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 7128

agcttctaca ttcaatttcg agctnttcga tatattactg gactcaatcg gacatccgag 60  
taaaaagtta ttgtagtttg aatttgcctc gggcttcggt attccatttc gagcgtctcg 120  
atatattacg ggactcaatc ggacatcaga gtaaaaagtt attgttggtt gaatttgctc 180  
agagcttcgg tattccattt cgagcatctc gatatattac gggactcaat cagacatccg 240  
agtaaaaagt tattgtagtt tgaatttgct cagggcttct gtattccatt tcgagcgtct 300  
cgatgtatta cgggactcaa tcagacatcc gagtaaaaag ttattgtcgt ttgaatttgc 360  
tcagagcttc tacattcaat ttcgagctgt tcgatatatt acgggactca atcagacatc 420  
cgagtaaaaa gttattgtcg tctgaatttg tcagagcttc atattccatt tcagcgtttg 480  
attata 486

<210> 7129  
<211> 323  
<212> DNA  
<213> Glycine max  
<400> 7129

ctgacaagat tcaaacgaca ataactactt actcggatgt ctgtttgagt cccgcaatat 60  
gtcgaatcgc tcgatgttga atcccgaagc gctgatcaga ctcaaacgac aataactttt 120

tactcggatg tgtgactgag tcccgtctta tatagtagag ctcgaaactg aatgatcgag 180  
 ctctaagcaa attcgggcga caagaacttt ttactgagat gtctgattga gtgccgtaat 240  
 atatcttaac agctcaaagg gagtgtcgaa gctctgagca cattctggct acactaacta 300  
 tataactcgga tgtgtgattg agt 323

<210> 7130  
 <211> 484  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7130

agcttgcttc tacaatatcc nnccttttgat gatgacatct tctgaaatca agaagcacac 60  
 acacactttt tcttagtcga tcaatcatat aaattctcct cctttgtttt tgaatttatg 120  
 tttatcttaa aaataagttg attactcatg tgaattcttg atttaatccc atttctctcc 180  
 ccctttggca tcaacaaaaa gccaaagtgc gtatcaaact taagggtatac aaatataact 240  
 taaacatcta tacttaatat tcatgaaaaa aatatcaacc aaatcatgaa gcaagaagca 300  
 agaaccatga aaaccatgaa gcaacaacca tgaatagatt aatttttaaac tccacatagt 360  
 caaataacat acttaatat ggtccaaaca taccatgcaa ataaggaaat agtatattgt 420  
 tcaaatatca taataataat agagaaatta tttgataagt cactaacatc tattagtcct 480  
 aact 484

<210> 7131  
 <211> 461  
 <212> DNA  
 <213> Glycine max  
 <400> 7131

ggacccccgt tgaagagaca accactttct agcttgtgcc tatggaatgt catgttactc 60  
 aattggggaa tcaactaccc aaggatgaca gcacttgaat acaagtcac cgagaacatg 120  
 tcaacttatt ttgctagtcc ataatagaca tgcccgggtat caccgaagct tccattgtct 180  
 taagttggcc atatgtgaag atgcctagcc cattgcctag aggaagagaa agatggatga 240  
 aaggaggtgt cgagcagtc gcgaagaagt ggccaagttg atgggttgcca ggtttaataa 300  
 gccaaacgag aagtggagga tgtgcaacaa ctagactgat ttgaatcgag cgtgccccaa 360

ggacgcacat ccacacttga acatcgacca actggtcgat gaagtggccg gacacagagt 420  
gttaagttct ctggatgggtt attctaacta tgatcacgat a 461

<210> 7132  
<211> 286  
<212> DNA  
<213> Glycine max

<400> 7132

agcttcggaa gaaagtgatg aggtacaagc cctataggca gagcttgaaa gagccccgggt 60  
agtcgaagag aagttcaagt ccatagccat caaagtctaa aaagagtatg atgaactaag 120  
ggacgtcaat atggccacag ttgaagcctt ggaacgagaa accaagaagg cccgaaagga 180  
agaacacgac caaagcaaag ttttgagggg ctctataggg cagcaatagt gagctcaagc 240  
tccgaagagg tgaaaggaat catcacgggt caaaggcatg atcttg 286

<210> 7133  
<211> 417  
<212> DNA  
<213> Glycine max

<400> 7133

tcaggctgct caattgctcc aggttgctgc atggaatgtc aaatgtctgt atggtggtca 60  
gcagaggagc acaaaccaca aacccttgca acaggtacag atttttgatt caaggccagt 120  
tggtttacca agttaaccaa tgcattcagt ttgccttcaa gcttcttagt ctcatgat 180  
gcagctgagt ttgtagctac ctcatgcact cctctaata ga ctatggcatc atttctggcg 240  
ctaaactgct gagagttgga agccatcttc tcaattaaat ttctagcttc agcaggagtc 300  
atgtctccaa gggctccacc actggcagca tctatcatac ttctctccat attactgagt 360  
ccttcataaa aatattggag aagaagctgc tctgaaatct gatggtgagg gcaactg 417

<210> 7134  
<211> 444  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7134



agcttgctca tatccaataa cacaactgaa accatttacc accatcatct tctcgaggac 60  
 ttagatatac aatgaattgg attatattatc caataagtag ataaaggata gatattcctt 120  
 tttcgaaacc gtagccggcc gcttccatga taagtatgtc ctcaaagata tatgaatata 180  
 gcactgaagt ttgttaattt gataagtaat tttgctaact aaggtctgaa atgaataaat 240  
 gacattttca ttcaccaaca aaatgatatt taagaatata tattagtaaa tttatatata 300  
 tacttatata agtattttaca aatacatatt atatatatgc ttaaataatat attttttcat 360  
 acctganaaa taggtcattt tcagatttac aatcttaaat tacttacagt caattacgta 420  
 tctgaaaaaa aattatgttt caac 444

<210> 7135  
 <211> 429  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7135

cggagaggat gctntaatgg agganaagaa agagggagag aattagggag gggggagcac 60  
 gaaattgaag gaagaaaaag ggagagaagt tgaactttga gttgtgtctc acaagactct 120  
 cattcatcaa agttacaaca agtgttacac atgcttctat ttatagacta ggtagcttcc 180  
 ttgagaagct ttcttgagaa aacttccttg agaagcttct ttgagaaaac ttccttgaga 240  
 agctagagct tagctacaca caccctctc ataactaagc tcacctcctt gagaagcttc 300  
 cttaagaaga ttcttaaaga agctagagct tagctacata tacctctcta atagctaagc 360  
 tcacctcctt gagatgagaa gctagaactt agctacacac ccgctataat agctaagctc 420  
 actcccatg 429

<210> 7136  
 <211> 465  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7136

ctattatcat atgcaataga tgccacatgt ctacatatga gaggagcaaa aagggccac 60  
 ttttcctttt gactgtgacc catactcaac caccaaagtg gggaaaatct gacctttgaa 120

acgctaaaat ccagcctcgg tttgtgtgcc gtttctttgg tatcagttcc tcgcgtttct 180  
 ctgcgtccgt cggggccagt tttcgaaagc cagcaatata tatatcaaaa cgctcagaat 240  
 agaaccccca gcgtgggttca gaggttgggt tcattaaatt ttaagtcgca cgcaaaacga 300  
 tgacttttag actaattact taagaattaa ccataacct ngccagtatg gatttctctt 360  
 tcttaattag cctaaccgt gtatctggcc ccactactt ctatttctac caataacata 420  
 tatatgcata tacacttaat aatacttata tatatatata tatat 465

<210> 7137  
 <211> 393  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7137

ggccgccacg gagtnttccg actatgctct tgtgtggtgg aacaagctac aaaaggagag 60  
 agcacgaaat gaagagccaa tgggtgatac atggacggag atgaaaaaga tcatgaggaa 120  
 gcggtatgtg ccggctagtt actcaaggga cttgaaattc aagctccaaa aactaaccca 180  
 aggcaacaag ggggttgagg agtatttcaa ggaaatggat gtgctcatga ttcaagcaaa 240  
 tattgaagaa gatgaggagg taactatggc tcgatttctt aatggtttga ctaatgatat 300  
 ccgtgatatt gttgagttgc acgagttngt tgaaatggat gatttgcttc acaaagcaat 360  
 ccaagtggag caacaattaa naaggaacgg agt 393

<210> 7138  
 <211> 294  
 <212> DNA  
 <213> Glycine max  
 <400> 7138

tttgctttta ttggataaac gtggactttc aaaagcctag agtcaacatg taactttgtc 60  
 actactttca aaaaccaaga gatcattaat gggccaatgc cttaatgttt cctcccttc 120  
 aaaagaatca aaaggtctgt caaatgggtcc aactccttaa acgaatttag cttaatcaaa 180  
 atatatcttg gcaaacacaa aaacaactta actaacgttc agatctcgaa gaactacgta 240  
 ggtctgattt ccttatcaca atctaggaat acgtaggaac aacggaaaca ccct 294

<210> 7139  
 <211> 447  
 <212> DNA  
 <213> Glycine max

<400> 7139

tgcaggtgct gctactggtg gaggcacttg aatttgcttg ccagaccaca aggtgatggc 60  
 actcacattt ttccgattct gcacagtttg tgaaggcaat ttgtcaaaaa tttgggactg 120  
 agcttggttc aactgagtag ccatctgccc catctgattt gttagactct gaatagaggc 180  
 tcttgtctct tgctgaaatt gcatattctg gatagtcatt tgccctacta actcttctaa 240  
 ggaagggtga ggaggggcct cagttgcttg ttgtctttgc tgttgctact gctgtattgg 300  
 aggaggaaca tgtggcttgc ttggaccatc aacattctgg aagggaggga caagctgttg 360  
 ttgttgtgga cgacttgccc atctcaaaat tggatgatc ctccaacctg gattgtatct 420  
 gttgcttgaa agatcataat tattctg 447

<210> 7140  
 <211> 222  
 <212> DNA  
 <213> Glycine max

<400> 7140

agcttgtaca ctgcatggga cctctctctt atctctttat gatactgtat aatgtgcatc 60  
 cgttcatttc tcagccattt ccccatatct atatacgcca gtgagagaca gacatttact 120  
 atccttgtgc cattaccggt tggtagccat attcacaaga aatatgttac ttggaacgcc 180  
 ttctgcttga tttatctaag cagattagaa catacatttc ta 222

<210> 7141  
 <211> 418  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7141

ggagcattcc aacgacgacg ttaacgtggg cttccccaaa attaactctt ttggcgattt 60  
 agggcacgcc attgttggcc ctcttgga gctattcggt gatgtcatga tcgtgttttc 120  
 tcattgcggt ttctgcgtca gctaccttat tttcatttcc accacgttgg cctatctcgc 180

cggtgatgat gacacctcat cagcatcatg gtctctcttg ttttgggggtt tcgccacgcc 240  
 aaaggtgttg tttctgtggg gatgttgccc ctttcaatta cggctgaatg ctatcccaac 300  
 attgacccat ttggctcctt tgagcattat tgctgatttt gttgacattg tagccaagag 360  
 tgtggtgatg gtggatgatg tctntgtgtt catgaagaat atgcctcctt tgaaagcc 418

<210> 7142  
 <211> 415  
 <212> DNA  
 <213> Glycine max

<400> 7142

agcttgatag ataagtgtaa actctctaac tgatgtacaa gaatatctac cataaatcgt 60  
 gacaggcatt gcactttact aaaattcaac tgaagtacca caatgtcaac cataaattgt 120  
 gaaacatctt tctcatcaga agtagagaag gaatgtcata caagaaacac caacgagtgt 180  
 ttgtaacaaa atcattgaaa aacaacacaa aatgagtgtg taacagagat· tattaatttg 240  
 caagtcacat tgtcagaaat aaatatcatg aataataggg gaacctttat atgttcctca 300  
 actgatgtgt agacttatat atctctccaa tgtgcacaat gctcctaaag ttcagctcta 360  
 ctctatatgt gattgtacta tttcttcgaa ttatcatttc ttagaaatgt atgat 415

<210> 7143  
 <211> 411  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7143

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 ataaaagagg gagagaagtt gaactttgag ttgtgtctca caagactctc attcatcaaa 120  
 gttacaataa gtgttacaaa tgcttctatt tatagactag gtagcttcct tgagaagctt 180  
 tcttgagaaa acttccttga gaagctttct tgagaaaact tccttgagaa gcttctttga 240  
 gaaaacttcc ttgataagct agagcttagc tacacatata cctctcataa ctaagctcac 300  
 ctcttgaga agcttcctta agaagattcc taaagaagct aaagcttagc tacacacacc 360  
 tctctaatag ctaaatacgac ctcttgaga tgagaagcta gagcttaact a 411

<210> 7144  
 <211> 402  
 <212> DNA  
 <213> Glycine max

<400> 7144

agcttatatc taggacagcc atcatgcttg ttgcaagcat ttgtagagg taaagagtga 60  
 aggacaaagg tttctacatt taaatataca ctgagctgct gttctcgcta cttagattgg 120  
 gattgcttat gctattgcat tgtaagtagt gttcacaaca tcgtaaggta attgtcagag 180  
 ttgttttgaa ttttattttc cactgtttct tttggttcac attacaccac acaactagga 240  
 ttaaacttcc ctaatagcaa gaatctctat attcgtagtg ttcaaattccc ttgaacccta 300  
 cttctcttat aacatattga gtgcctaggt tataccccac ggcttgtatc caacataaca 360  
 atattccatt tatactgcc a taatttctcg gattactgct ca 402

<210> 7145  
 <211> 454  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7145

tctcggtca tactgggaat acctctagtt caacacccgt gctacctaag gcaccacccc 60  
 agagggaagc tccccaggt ccaactccga acacgactcg accggccggt aattccaaca 120  
 cgacaaggaa cttccctccg aggccatttc cggaattcac cccactccca atgacgtacg 180  
 aagatcttct gccatccctc atcgccaatc atttggccgt ggtaactccc ggaagggtcc 240  
 tcgaaccccc tttccgaag tggatgacc ctaacgcaac ttgcaagtac catgggggtg 300  
 tcccggngca ttccgtcgaa aaatgcttgg cccttaaata caagggtcaa catttaatgg 360  
 atgctggatg gctgactttc caagaggatc ggcccaatgt gagaaccaac ctgctcgcca 420  
 atcatggagg gggagcagtt aatggcagtg aatc 454

<210> 7146  
 <211> 416  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7146

atcctgactc accatanacc ttgaccagc gtgagaatgt caatccttac cctcggaagc 60  
 aaaaaagaa tagaggggaa atttccaatc aaagaacaag agaaggaaaa tttccaatga 120  
 aagcaaaaaa agaaaagaag gaaaattccc caatcaaaga gtgggagaaa gcaaaaaaag 180  
 aaaagaagga aaattcccca atcaaagagt gggagagagc caaaagaaaa gaaaggaaaa 240  
 ttccaatca aagaatgaga gaaagtaaaa aaggaagaag aagaaggaaa gaaagctcct 300  
 gatcagggat cgaaggataa acagaagaaa tgtgcagaga ggtctctgga ccggacaata 360  
 tatgaacaat acagaattgt caccaaata aaaaaaaga aggaaaggaa accacg 416

<210> 7147  
 <211> 459  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7147

ctaagcttct tataagttga accattntat caataaacac aagttgagtt ttattcagag 60  
 aattagagtt tatctctttt atcttagtga gagtgattct cctaaattct tgagtgattc 120  
 aagaacaccc tggctgtatc aaaggacttt cacaaccttt gtgtgttgcc ctgctggaa 180  
 agagtgattc tttccttctt ttcattctca cccttggtct ttcaaaccac aattccagaa 240  
 aatccacctc tgcccagaat tatctcgtgg ccataactcc cattttacgc actcaaatta 300  
 agtgattctt gagcctaaat tgactntcaa aacgagacct ttcacctcgt tttggaatca 360  
 cctcatttgg agccctgtag ctccagttat tgccatttct atatttctgt ccagccacca 420  
 cttaacctac attntaccat cccattcatg cattttatg 459

<210> 7148  
 <211> 430  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7148

agctttaaaa attgaattaa aacgttcaat aactgctggt aatcgattac catatatgta 60  
 taatcgatta cacaatgcaa attntgaatt caaattttaa tagctgttgt aaatcacttt 120  
 tgaccactgg taatcgatta catcctctgg taatcgatta ccagagagta aatctcttga 180



tgagttctct gcagccatta caccacaaca gaatggcata gttgaaagga aaaacaggac 360  
tctgcaagag gctgctangg tcatgcttca tgccaaagaa cttacctata atctctgggc 420  
tgaagccatg aacacagtat gctacattct acacagagtc acact 465

<210> 7151  
<211> 265  
<212> DNA  
<213> Glycine max

<400> 7151

aatcgggtggt ctgatttgtt cccataggat atcgagatgc tcgtagttga taacggaagt 60  
tctgatacaa atcaaacgac aataactgtt aactcggatg tactattgag ccctgtaata 120  
tgtcgagacg ctcataactg acaacggaag ctcttagaaa agtgaaacga caataactat 180  
tgactcggat gtgcgatatc gacctogaag atatggagac gctcgtaatt gaacatagag 240  
gctcttagca aactcaaacg acaat 265

<210> 7152  
<211> 104  
<212> DNA  
<213> Glycine max

<400> 7152

attatttaaat attgttgggt gcaccaccaa tgttgctggg tgcacctaca aaagacccaa 60  
ctgcaatggg agatgttgga ctaagaggaa ggaacggggc tgaa 104

<210> 7153  
<211> 276  
<212> DNA  
<213> Glycine max

<400> 7153

ttcctcagat ctgtaacaag ctatgaacag ttataattta gtcttgattt aactgtcttt 60  
gggcttggcg gccacgtca acaaagtact ttcgacacct actgtacgtt gatttcacca 120  
atgctgttat gggaatgttg cgacaatcct tataaacctt attgatacat tctgagaaga 180  
cacgtgtcat gaggccatat cgacaggctt acctatagaa accatcttcc atatttcctt 240  
tgagatgcga tctatccatg ttgctatagc tggact 276



<210> 7154  
 <211> 431  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7154

agctcatgct ttttcccaa gctgtacagt ttattatattt aaggactgtt ggcaagtgat 60  
 agtatgatgt agtaaagaaa catgcataat gagattaaag tagtggttac tagtggtaat 120  
 tacagtatat atggttgata actggagagt aataaaccta gcgagggtga atatatcaag 180  
 tgtgatagaa aatgtgttac tagcatttca catatactaa ttacagaaaa ctacttatgt 240  
 ttttattcaa gttaattagc tattactttg tatgtggcag ttctttcttc tgtgtatggt 300  
 gagtggctgt agcatatgtt ggttcaacac agtatgttnt gttctctgca ttaggaattt 360  
 cccagttaac agacccttg cattatcact cactgtgagt gtcaatgggtg tgagtgcagc 420  
 actctacaca c 431

<210> 7155  
 <211> 467  
 <212> DNA  
 <213> Glycine max

<400> 7155

tatagttgag accatatcaa ttgtctacac accccacact gtgtcttatt caccatatgg 60  
 aatagaattc tttgcagtgt acctcagatc atgtcagaca ttaacacaga agatgttgtc 120  
 cttgattggt ttaatttaag ttgaaattaa gaagcataga gatggtacag acatgatcac 180  
 aaaagatgca cccagtagca tggcaaaatc taatatacta accactaagg aatcgaggac 240  
 acaacacatc atatacaa atagatatgt aggtgtgtgc atatgtacat gtgtgtgaag 300  
 tgaactgtga aggtcaatct tatgtggaaa tgaatagaat ttacattatc agatttgtca 360  
 taatggacaa gactaataca tcaagtcata ttacatttta gaatgctcat acacaacgac 420  
 ttgatgtttt aatctggaag ctcatcatgt gtacacgtct aacaatt 467

<210> 7156  
 <211> 450  
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7156

ntgagggtgt gtagcccacc atcttttcat agtagagtat cgataatgtg tctaccatca 60  
cgatcatcgt ctccctttcc atcattgggg gtaccacctg ngccgccaga tccctccacc 120  
ttttgggcgt gttctttgaa agatctgtcc ccctttttgc aaatgttctg tagttgcac 180  
ctatccggaa ccatatcaaa attgtactga tactgcctaa caaaggaaac cattangtcc 240  
ttccaagaat ggactcggga agattccaag ttagtgtacc aggtaacagc taccaccagta 300  
agactttctt ggaaggaatg taccagcaat tctcatctt ttgcgtattc ccccatcttc 360  
tgacaatata tcttttagatg gttcttgnga caagtagtcc ccttgtactt gtcaagggtcc 420  
agcaccttga acttgggagg ggtgatgata 450

<210> 7157

<211> 416

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7157

tgngaggatn gatgnggacc tgggtgtgag agaaacgatg atatgagcta cgtggggagta 60  
cgtgagctca gttggagggtg ggcaacaggg gatggtgggt ttatgcgcgc attgtggatg 120  
tggaaaactt attgtgcacc atcgcccgac cgccacctag taccatatgt gatgggtacc 180  
ccataatcct acaagcttga gatgaggaag tggtgaacgg tgaaacttcc tgcttttatt 240  
gttgaccaca gagtgggtacc tggagatatg tcgcggnggt caggagacct tgtggacgtc 300  
agggtggggtg ctattgcccc aaaccaagct tgaccaatcc cgacccaacc cgggcatagt 360  
cggatcaatga gaacctgtga tgtacctaag cagcgagct ccttgcagtc aacaga 416

<210> 7158

<211> 335

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7158

agcttcacat cataccactt ccagcgtgct ggatctactt cacatggact tgatggggcc 60

tatgcaagtt gaaagccttg gaggatagag gtatgcctat gttgttgtgg atgatttctc 120  
cacatctacc tgtgtnaact ttatcagaga gaaatcagat acctttgaag tattcaaaga 180  
gttgagtctt agacttcaaa gagaaaagga ttgcgtcatc aagagaatca tgagtgacca 240  
tggcagacaa tgtgaaaaca gccgggtcac tgaattctgc acatctgaag gcatcactca 300  
tgagttctct gcagtcatta caccacaaca gaatg 335

<210> 7159  
<211> 460  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7159

tgcenata aagaaaggga atagattgaa tctagtaaga tgcattaagg atgaagaagg 60  
aaaagtattg gtcagagatc aagatatcaa agaaagatgg gagaaacatt ttataagctt 120  
ttcaattatg gacaaaggat cagcttggaa gtgaagacag agcatatgca ttgcaatttt 180  
agcaagaggc aagaggagta tgacttggaa gtgaagatgg gagaagatgt cataccacat 240  
gttactaagt ttaaatatat gggatcaata atataatata atatcatgag gaaattaatg 300  
aggatgtcac acatagaata caagcaaggt ggttaaaatg gagaaaggcg tcaaggggta 360  
tttgtgattg caaaatacca actttaaatg caagttttgt tgtacagcaa tagtttgact 420  
atactctatg gtagtgaatg gttggtttag agggacaata 460

<210> 7160  
<211> 261  
<212> DNA  
<213> Glycine max

<400> 7160

agcttgacaa tattctctat tggcatgcat tcaacaact ggatatccca gaaagctaga 60  
ttgagtcatt cttggagcaa ctcatatgct tcttgagtga gacaactaaa atgatgggac 120  
acaccaactt gtaaccact taagttccaa gaccatcatg atcaagtatc aatactctca 180  
cttcttataa tatattaatg tgggtgacttg cacttagctc cctaaaataa tagatatgag 240  
actagaaggg gggggggggg g 261

<210> 7161  
 <211> 478  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7161

gggagaggat gcttcaatgg aggaaaagaa agagggagag atttagggag ggggagcacg 60  
 aaattgaagg aagaaaaagg gagagaagtt gaactttgag ttgtgtctca caagactctc 120  
 attcatcaaa gttacaacaa gtgttacaca tgcttctatt tatagactag gtagcttcct 180  
 tgagaagctt tcttgagaaa acttccttga gaagcttctt tgagaaaacc tccttgagaa 240  
 gctagagctt aggtacacac acccctctca taactaagct cacctccttg agaagcttcc 300  
 ttaagaagat tcctaaagaa gctagagctt agctacacat acctctctaa tagctaagct 360  
 cacctccttg agatgagaag ctagaactta gctacacanc ccctataata actaagctca 420  
 ccncatgac ananaacatg aaaatacata naaaaaagtc cttactacaa agactact 478

<210> 7162  
 <211> 456  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7162

agcttgactg gccacttac atcaaccagt atattagcac acttgatata cctttaaaat 60  
 agaataattg aatcgaaatg ttcagaatgt agcaaatcaa tgcaaattca agatatttaa 120  
 gaagtcaatt tccaagcact gcgtccaact ttcattttt gtaatgattg aaagtcaaac 180  
 atttttcact gtctgaataa aatctgttaa agcaaaactc tgcttcccaa gcggagaatc 240  
 atactcagta tctggttgct cacctatggt ctcaatataa atatatgtgc acatagagct 300  
 ataacataatc ctctaataa tgaacataaa tacaataact atgggtaaca catgactaga 360  
 atgctaactt gcaagagaga gaagtctatg ataggaacta atgcactatc tactcctgat 420  
 actatgaaaa ntnnttacia aatatgtgtc tataaa 456

<210> 7163  
 <211> 330  
 <212> DNA

<213> Glycine max

<400> 7163

aatctgacct tcttgatctt cttcgaggta accatgattt ttagcttgct ccttgggagt 60  
ttaagcttat ctttgcatct tttctgactc tggaacacat cattgtacgg tttacgcttc 120  
cttcgaaaaa acttagagaa aaagactttg ttaaagttat ctctttatga aatggatggt 180  
atattcgtga ccttcactga actctgggtc cattggcatg atcgaaattt caaaatgata 240  
ttccttttcc tgagatgcga aacaaccctc atccctttca ttagaggaca tgagtatttg 300  
actcagagta ttgtgatagc tctatttctg 330

<210> 7164

<211> 433

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7164

agcttaagct ccttcaactg cacaaggctc ttaatatctg aagagtatcc ttgtggaacc 60  
ttcacccgac gaagacactg acaaaaaatt atcttctcct tcttggacaa agtatggcag 120  
gctgggggca agtaaatctt cttcccatca gaccttggat gcaactgtgc tcttataccc 180  
atatcaacta gatcttgacg ggtattcaag ccacctctcg tcttgccttg aatgttaagg 240  
agcgtcccaa tcacactgtc acaaacattt ttctccacat gcataacatc aatacaatgt 300  
ctaattgtcaa gatcacacca gtacggaaga tcaaagaana tggacctctt cttccatatg 360  
caactctgac ttttatcctt cttttgggtc ttcccaaata cagtggtcag ggtgtgaacc 420  
cgctgatata cct 433

<210> 7165

<211> 424

<212> DNA

<213> Glycine max

<400> 7165

tattacgagc tttcatcctt ctattatcat tatgatggag actcatcggt tgttcaagac 60  
tattgcaagg ttatgtaaca ttttgggtta tgaaatatgt cacttacttg aagccaatgg 120  
ccatgctaga ggtatttggg ttttgggtga gataaaatag ggacttttct atcactaatg 180

tccattcttt gtcccaagcc ctgacagttc atatgtctac gaattctcaa tcttggatct 240  
gcacgacact gtatgaaaat cctcacacgc ttctatgttg ccttatggga tcatattgct 300  
gatgtcaaac aatctataca tcttctctag tgttctgttg atgaacggac tgagattttt 360  
cattttgatg agcacggagg tagcttctgt ggatgatgct tctacgctca tggatatgat 420  
cgac 424

<210> 7166  
<211> 414  
<212> DNA  
<213> Glycine max

<400> 7166  
agcttgacca atcctgaccc aaccgggca tagtcagtca gtgagaacct gtgatgtacc 60  
taaacaggcg agtcctggc agtcaaccga taaaagaaca aagaccacaa agcacggagg 120  
tttgtgtggt ggctggccag ctatggatct tgagtgatat ttgggatatg gcctctggta 180  
atcgattacc aagggtgggt aatcaattac aaggcttaat agtgaagaca gacagttaag 240  
atggtctctg gtaatcgatt acaaaggagg tgtaatcgat tactacgcct acaaagggga 300  
ccaggaagtc aagatggctt atggtaatcg attaccaaag ggggtgaatc gattaccacg 360  
cttagaagtg gaactggaat attgaggggg cctctggtaa tcgattacca atgc 414

<210> 7167  
<211> 423  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7167  
tgaagctcaa ggaacaagga aaagnttgaa gaagctctat aatatgttnt ggcttttaca 60  
tgccctaactc atttgagtgg catttgtatt gggtgttaac tctgattgtt gcactcttagc 120  
acatttgata tttgtttcgc attgtgcac atcatagtgt gtgtgaagga aatttttctaa 180  
gttagaaaac tttcttcaaa ggcaaaaact ctttgtatta atcgattata gagttgtcgt 240  
aatcaattac aacaggctgt ctgaagcttg tagagttaag tctcgtactg gtttaatcta 300  
ttacggtagt aatttaatcg attacattgt tggttgagac aatgattnga tttttcaaga 360

gtctctactn taattgatta ccaagtagaa taatcgatta cttctctctt gtttaagttg 420  
 ttc 423

<210> 7168  
 <211> 387  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7168

tgcgcātatg actctacgaa cgctcacttg cacaagacat tctattaacc gatataatgc 60  
 acccatatac aatcaaggca gctgtgttac ctaaattatt tacacgtact gccaaaggtgt 120  
 attcgggtact tacatcacac acatctcctt ggctaaattc acatacatgc atactccaag 180  
 cattttgggg taccaaaaat tgcacatgtg cacatcttgg tatttctaata acctatacat 240  
 acacaaactt catgatgaat cttgactatc tacacaataa ggtgctacat ttcatgccct 300  
 ttttcaagct tttgctacct aaagccgcat gcagaatgca gcatattggt cttcgctgac 360  
 taanatagta ttcaaattat atatata 387

<210> 7169  
 <211> 440  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7169

tatgcagatt cataaacagc attctcttcc acctacatct aaatgctagt tctttatctt 60  
 ttgagaagag agtaatgagg ttataaaaata gttctaattt acaggaacat catacacatg 120  
 tgagataata atggatttac ttagcattca tgaagctatc attaaagctg ttatcatatg 180  
 aacagaataa ctttatgtat gacataatat tgtttaagaa atggaagaca aagtcttaac 240  
 ttacacattt ttcaagccca actaggacca agggatcaca ttgtataatg ccatacttct 300  
 tcgaaaactt ttgcctacaa gcacaaaaca gttttttgga attacaattg ataaacaagt 360  
 gtgataaagg aacttccatg aatcccttgc atacctactc tatcaaaata tatcatcggt 420  
 cacatnttta aacatctacc. 440

<210> 7170

<211> 151  
 <212> DNA  
 <213> Glycine max

<400> 7170

cctgtctcct atggcgatta gtcacagtg tacatatctt ctattcgtat ttacgagttg 60  
 tcgtctctgt ccgttcaaag attgatctga taatctcatg tcttcccaca cggagattaa 120  
 catcatcaat ccttctgtgt ctggataggc t 151

<210> 7171  
 <211> 469  
 <212> DNA  
 <213> Glycine max

<400> 7171

taatcgtaaa agtaaaagct aaagaagatt caactaattt agactccaat taactcttat 60  
 ttctattaat ttgaacataa attgaacaag taatgggtata tgtaaaactga aattctcata 120  
 atagaatttg tcttttgtca tttcagacta tcagcaactc tttattcttg ttcctaatt 180  
 actagcacca aatccttgca gcatttccat ttcattgaca cgagtgcagg gcttcagacc 240  
 ttcagacgaa gtcttttagg tacgtgggac tcacaatcct ctttttagtt ttactcacta 300  
 attgcacctc tttgtttggt tgggtgtacc ctgttggtgc tacagtagca tcttcttggt 360  
 gacttgctat gttatccctt gtatttcatg agctgtcact tgccatattc tcgtagtagt 420  
 tgtaatgatt gactgcatta taaaaaacta gaaagcaact gtgtgtctt 469

<210> 7172  
 <211> 446  
 <212> DNA  
 <213> Glycine max

<400> 7172

agcttaggtt aaattagtct aaactttggt aagctattta agctgagtct agtccaacaa 60  
 gagggatctg aggacaaaac ttagtgtaag ttagtctaaa cctaggaggg ttgtctaaat 120  
 tgagcctagt ccaacaagag ggatctgagg acgaagcttg gattgattca ttctaactag 180  
 ggatcaagat ttagtaatcg aggctataac atagaacaca caagcatgat tgattagaga 240  
 aacatcttta tatacatcag ctattttggt agatagacct aacaccttta cctactgctg 300



[illegible]

<400>	7173
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<210>	7174
<211>	494
<212>	DNA
<213>	Glycine max

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ctctttctctn	tcaccaatat	taagtcaa	aggcttactc	aaagttttag	gaattntaag	120
gaagcattac	gaaagcctcg	gaagctccg	aaaccatttt	ccaacaaaac	gtggaggatc	180
ttgataagtt	cacccccccc	cccctttgct	aaatgcactc	atttttat	acacacccca	240
ttttgctaaa	tacactcccc	tttgcccttg	ttttgctgat	tctttttcca	taacattacg	300
gaacttttacg	aattacataa	cgatacttgt	tttcttttcg	caatgtcacg	aaacttttacg	360
gattatgcaa	ccatcccctc	tntgactttt	ggaatgttac	ggaactctac	ggattgtgca	420
ataatgctta	ctttcgactc	ccgacatgtc	gcggaacttc	atagaatgcc	taacgatggg	480
tgtcacgttc	ctcg					494

3070

<400> 7175

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ggctactaaa caaaatcaaaa gaagaaaact aacatacctg.aatatcctcc tatatcaaat 120  
tcttgcatcc cggatacaaaa ggcttctttg aatcactctg caatccttca tacatagggg 180  
catgtgcttg ctaaaaagac tcttgtccaa ggtcacgaat catatcctcc aagcgatctc 240  
ctatatgtac atcaaacggt tcagattgcy acccactttg catgtgtatt aattcaccat 300  
gccatatcca cgtcgagtaa ttcttcttaa tcccatcaca caatagatgc tcccacatgc 360  
cgcccagtaa ttgtgtctt acattcaaac aattgatgca aagacaataa t 411

<210> 7176

<211> 448

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7176

agcttgttca accgaccgag gtagcatgag atggcagcaa agaggagaaa caattttatg 60  
gtgattcata cataagttag aatgaaattt caggtaatca taaagaggaa gaggtcacgg 120  
aaacgaatgc ggatgcaaga ggttttacag gcaacaacg cttgttggtg gtagctaaca 180  
ngttgcctgt gtctgctgtt agggaggggtg tggagtcata tcgccttgat atcagtgtag 240  
gagggctagt cagtgcactt ctaggcaaga aaaattttgt caccttgcac taattgtttt 300  
ttttggtgtg ttttggttaatt ttgtttcttg gtgaagttgt aattgtaact cagctatgct 360  
aattagttat cttnaattgt tgatgatctc accatagagg tcacaacaat gatagttatc 420  
taatcttcgc aacattctaa taataatc 448

<210> 7177

<211> 448

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7177

tggtcttgag aaatgctgga aagccagata caccgagatt aataatgaaa tcacagcacc 60  
ttcttttgta tacctgagga agaaagatgt tgaagcattt tattttactt ttgaaaaag 120

gtataaagag gctgacagcc caaagtccca aaaagatgga cttgcttacc ttaatttcat 180  
 agcctcgtag ggagctacca tcagcaagag caatgccaga aatggcaact caagttcacc 240  
 tagaaatgaa aaagacccag aagaaaatgt ttctttcctt caatgttcaa tcattatcca 300  
 acaagtacga aaaacaaaaa acacaactta ttgttcttat tacactccag aatcaggatt 360  
 ttcttttctca tgtttcgcag ttatatacaa gagaagatat agagcccagc ctgaggttcc 420  
 tagagaaatg ctntgantac accaattc 448

<210> 7178  
 <211> 472  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7178

agctngtagg actnntggca agcgtaccaa ttgtcgttgt aggtttcaca ttataaaaa 60  
 agagttcgtc tccacaggga cttgagttta cttaattcat tcggataaag gttatcagtt 120  
 caacagttat gtacaaaattt aattaaatat cattagtttt gttttgacta actaaagaca 180  
 acttaaagta aaagaatagt gaaaataacg gaatcacgga ataacagaaa tacggaaaat 240  
 atggaaatac gaaaataaca aaattcagtg tctcgaaaat atgtaaatta cataaataat 300  
 aattacgact tanattaatt caagaaaaca taggattgga ttcatcggtt cataccctta 360  
 gtatcctagt aagattaaca tctatgaatc attttccaat attactgatg cacacattaa 420  
 gttatcctaa gtcaatccct cacacttgga acctaagaat atntactaaa ca 472

<210> 7179  
 <211> 475  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7179

ntgttcaata atcagggcat ttgttgacaa aaaataatat ttgttaattg aagtaaaagt 60  
 atgatataat ctaattcgaa aacagtaaac gcaagcaatt aaaagtgaca acagtgggtt 120  
 aaaagcggtg ggtcttccta ataaacgagt tgatgcatat aaagatattt ctctaattta 180  
 gaatgttctt gtgttctatg ccgaagacta aagtactaaa cctcgatccc tcacaagttt 240

agactaattt aagccaaact tcgttctcag atccctcttg ttgaactagg ttttaattcaa 300  
acagcattat actcacagca taagacaaac taaaaccctg cactctatcc ctagtaatgc 360  
agntatctag ccttgcctta tcaagttcta aggaaacagt acacttccca gtgctaaagt 420  
tccctaacaa tacacactag tgggtgaata gacaaaggca tgcaacaata aagca 475

<210> 7180  
<211> 416  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7180

agctntgaac aatatacttg tccttcattt aattgtcttt gggcttggcg gccacgctca 60  
acaaagtact ttcgacacct actgtacgtt gatttgacca atgctgttat gagaatgttg 120  
cgacaatcct tcaaaacctt attgatacat tctgagaggc tggttgtcat gtggccatat 180  
cgacatcctt ctctatcata agccatcgtc catttttctt ttgaaatcca atcaatccat 240  
gttgctatgg ctggacttag atgacgaaat ntttctaaat tttgaaaaaa aatgtgcttg 300  
caaggagtgt aggctgcata aaattagtta tgaataacaa ttttaagtat atatganagt 360  
taaataaacg tgaccatcat atatgaaatc ttaccaatt tcttcaacat ttcttt 416

<210> 7181  
<211> 471  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7181

taagcctaag agcaagctaa tgagagagtt aactcanatg gtgccttaag tttcaaacac 60  
atgacacaaa acaacttgta tgtacacttc caaatgagt tattctacct gctccattga 120  
aataaaagca tcatttcctt actttatctt caaatgatt gcacacttcc aacaccctat 180  
gctagtacaa atcaataata gtttattcta cctatatctt aaattctatt gaatatggat 240  
agatgtaaaa tgtaacaagt gcatccatga attataaaat aaaaaaagt catcaatgat 300  
tgaatagagt ccacatggat gtgaataagt attgtgggga tcctagttga aacaccatt 360  
tactgaacaa caaccactag aataaagcag cacaataatt gattatntgg tatcactgta 420

cgccaatcaa cctcaaaaa ttcacatga aataagaaac aagactcact c 471

<210> 7182  
<211> 382  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7182

agctntaact tgtatttctt taagtccttt ttgacacact ntatcacacg agtggttttc 60  
aaaaatcttc taagataact gtgttttata actcactgga caataatcca ctattttaac 120  
aaaaaatgta tttttaatca ttggacgaca cactagtttt aatcatttta acagaaaact 180  
ctgttttata ataccgcttg ttatcttggtg aaaaacttct atttgtgaaa aactttatat 240  
ctttggttaa cacaccactc aatctccctt ctagtgtgat ttgacaccac caccactatt 300  
catcatcaaa tcgttctccc aacaccatca accatcctcc gcacacgata gtgcagatct 360  
ggctagtgac gacacacagt ga 382

<210> 7183  
<211> 475  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7183

tgtctcagcg tctatgcgag acagagacca acatgttagc tatcatcgcc aagtaccaag 60  
aagagttggg tctagccacg gcccacgagc atagaatcgc ggatgagtat gcccagtat 120  
atgcggaaaa agaggctaga ggaaggggtga tcgactcttt acaccaagag gcaaccatgt 180  
ggatggatcg gtttgctctt accttgaacg ggagtcaaga acttccccgg ttgttagcca 240  
aggccaaggc gatggcagac acctactcca ccccgaaga gattcatggg cttctcggct 300  
attgtcagca tatgatagac ttaatggccc acataattag aaatcgttag gaaacttgta 360  
tggctctctca gaccttgact agatatgact tccttntga aataaaatga gttgggtcca 420  
ggtttctact tcaaaaagct tgtgcaaata aaatcactcc tacatctcat ctcta 475

<210> 7184  
<211> 467

<212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7184

agctngagca ggttgaatt ggaaagcaac aaattaactg gagaaatacc ctccctccctt 60  
 ggtaatctta aaaggcttca attcttgtaa gtatggcatt ctgtttgcta ggctctacat 120  
 atatataatg agtcttaggc cttagcatgt attttttggt caatgtttta aagtgtctgt 180  
 ttcttgctct gctaccagaa cattgagcca aaacaatctc agtgggacta ttctgaatc 240  
 acttgccagt cttccaatct taatcaatgt gtatgtaaaa taatgggttc tagaactctg 300  
 ccattntttt aaagtatatt tcattaattt agtatctgat tgattattca aacttctctt 360  
 ttgcagtctg ctagattcaa ataatctgag tggccaaatc ccagagcagt tatttaaggt 420  
 tcctatatac aagtatggat ggtacaacca taaaattagt atatgat 467

<210> 7185  
 <211> 477  
 <212> DNA  
 <213> Glycine max  
 <400> 7185

tatgacatgc ttggattagc gaaagagagt ttattggatg ctattttatt tataaatgag 60  
 tgctctcagt caaatgatcc tgatctctca ctgaggcaaa ataaagtcc agattatgcc 120  
 gagcgttttag ttaagaagca gatgcgtgct gcttggttat ttcgagaggc agctattaag 180  
 catggtgggg tccatagtca ggggtgatggc ggtgatatgt atggcccaca gactgatgat 240  
 tctgaatggg agacagctag tgaaagtgat atatgaaatg atggacggga tgacatgggc 300  
 gaagacgacg atggtgattg gaataatgat gatgagagga aaaattatga caaacctctg 360  
 atgaaaggta ttttcactat aaatttccta tctatatgct ctattaataa tctgcattat 420  
 tatgtgatcc tacttcgtgc ttgtgattat gcatgtctga tatggggagt cgggact 477

<210> 7186  
 <211> 361  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7186

agctggcaca ctcaaaggga catctcttct atatctttat gaaaaactat tatgtacagt 60  
 tgtccattac acaaaaaataa caccatctaa gcaaacttaa ctgagtagag actagtactc 120  
 tccttcttcc ataccaatat gtctctctca ctcagaatca aattaatact tctaaagtca 180  
 taacctttnt ttatctaagc aaattagtagt atttatttct gctaatagata tagagatttc 240  
 tccattccca tctccacatt caatttcctt ccttacggtc acctaaacct gacaccctgg 300  
 cctttatggc tactacaagg gtgtataatc tagtatactt cctaaatgtg aaaataaagc 360  
 a 361

<210> 7187  
 <211> 408  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7187

tctcgtagta gaacataggc aacgtatcta ccataatcgt gatcatctcc ctctcagtca 60  
 tgggcgggat gacttgggct gctaggtctc tccacctttg agcatattct ttaatggact 120  
 catgttctcg cttggtcatg ctctgaagat ggttccgac aggagccata tccgcgttgt 180  
 attggtactg cctaatagaag gcagtttcca agtctttcca tgaccggatc tgagaagctt 240  
 ccagattggt ataccacgcc actgctgctc cggctaagct gtcttgaaag aagtgcgtca 300  
 acagctcttt gtccagagaa tatgccccca tccttcggca atacatcaa agatgacctc 360  
 ttggacacgt cttccctttg atntatcaaa atctgggtatt ttaaactt 408

<210> 7188  
 <211> 374  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7188

agcttgccct tgttcttcac cctaaagtgt atataaatta ggaacaaacc tttttagtaa 60  
 gcttgctcac ccctagaagc tcctaataatc tcctatactt tntggggagg gccattcttg 120  
 gatggccttg attttcttag ggctcacttg gacccattt ctaccaacta caaattctaa 180  
 gaaactatat tatctacata aaaggtagac ttctctatat tagcatagag agtatttttc 240

ctaagaactg aaagaacttt ccttagatgt cctaagtgat catttaggct cttactgtac 300  
 actaaaattt catcaaaata aatgactacg aatctaccta tgaaatccct taagacatga 360  
 tgcataagcc tcat 374

<210> 7189  
 <211> 464  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7189

taagctcctt caactgcaca aggcctcttaa tatttgaaga gtatccttgt ggaaccttca 60  
 cctgacgaag aactgacaa aaacttatct tctccttctt ggacaaagta tggcaggctg 120  
 ggggcaagta aattttcttc ccatcagacc ttggatgcaa ctatgctctt ataccatata 180  
 cagctagatc ttgacgggta ttcaagccat ccttcgtctt gccttgaatg ttaaggagca 240  
 tcccaatcac actgtcacia acatttttct ccacatgcat aacatcaata taatgtctaa 300  
 cgtcaagatc acaccagtac ggaagatcaa agagaatgga cctcttcttc catatgcaac 360  
 tetaactgnt atccttcttt tgggtattcc caaatacagt gttcagggtg tgaacccgct 420  
 gatatacctg ctcaccagtc aacggtatcg gcgcaatata atgc 464

<210> 7190  
 <211> 420  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7190

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 tatttatagg agtggagcgt gaccgttggt cattgtttgt agggactatt atagcccttg 120  
 cagataattt ccgagttgta gatactagtc gggagcttat agataatggt aagagataaa 180  
 catatgctta tagataaaaag gtataagata atcgtacctt ttagataatg tgtggactta 240  
 taaataatta atatctgtca atagataaga tattgggata tattcaaata tgagtagggt 300  
 agagataacc tgttggttgg ggagtctgac tgctaagggc caagcatctg cgctcctata 360  
 gcagggctga tgtggagggt ggacacgtgc ctcacagtac catataacat gtcacatgta 420



<210> 7191  
 <211> 436  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7191

cgcatgatta tgtatgatgg caattatggt gatgctccac cactgacttg gcccgaagat 60  
 gacccattg aggtgcactc catcatcaaa aggtatgaga gcataaagaa tgagaaactt 120  
 cccaagaact tcgatctcaa taattttttt gagattagga agaacatggt tgacaatgat 180  
 atttccaaag tccaaaaaga gaccctcaag atcaaatac caacttggca tccaagcttc 240  
 aacaacctag gtgtagagga gctgaggaat ttcacgcta ggttggacat taagcttgaa 300  
 gcttgtaatc aacgaaacga aatgtcgaaa cacaaccatc aaaatgaagc caacttcaat 360  
 ttcacgaaa gcattggttca atcagacagt gttgctccaa acccaagcca actcaatttc 420  
 atgcangaaa tctctc 436

<210> 7192  
 <211> 476  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7192

agcttccatc aattggtact agtgagtcac aacctttggt cactcttatc ataactcana 60  
 cttttcttta ttttcattta attgctttat cataaaaacc aaaattacaa aaatatttaa 120  
 actctctttt taatcaattc tattgttagt ttaaataatt aggaatacag ctagtccttt 180  
 gggtttgaaa tctaaacttt caagtccatt ggtactatgg cataggatct agtctacaat 240  
 agagcatgga gttgcactca tatctctata tgctattgaa aaataagcaa agctgtagat 300  
 cgacattgat actaaagata tggagcctaa agagattaca agatatgaag aggctatgct 360  
 atagtttatc actaaagcat ctctcanaga tcacaaggat gacatagttg tgacaaatcc 420  
 tagtgcaaat cgtgtgtatc caaaactagt ggttgggtgat gatgatcaac taattg 476

<210> 7193  
 <211> 406

<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7193

catgcaagct tcttaatggt atagaattca atagctcaag gaagcgaatg tcagtgatag 60  
tgaaagatga agaagggaaa anttttctac tctgtaaagg tgctgacagg tctgtgataa 120  
aataatttat agccttcaac ttctagcctg cgcatttaac ctatggactt gcctaactta 180  
ttttttcatg cagtgtcatg ttggaaaggc ttgcaaacia ttggaggaag ttgaaagga 240  
aaactgtgga acatgtgcgt gaatatgctg acacaggtct aaggacccta gtacttgctt 300  
attgcgaact tgatgaacia gaatacaagg agttcgatga taaattctct gaagtaaaaa 360  
attctgtccg cgcagatcag gaaactctga ttgaagaagt atcgga 406

<210> 7194  
<211> 107  
<212> DNA  
<213> Glycine max

<400> 7194

agcttaatat atcattcaat ctatataact attagtagga ttctctccta aggaacatta 60  
ctttcttagc taattaagga atattacttc cggcgcaccc tactatc 107

<210> 7195  
<211> 452  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7195

agctngttac tatgataaga gcatacctgt tgtttctctga agtccaagta caagactttt 60  
tgtcaataat atcaccaaaa actatcacat taacaaaatc acagcctcta agatttcgac 120  
aaattattag gtagccttga agcattatgt ttttatgatt ctaatctacc attctcttta 180  
tatataatac ataactatat tttttaattt gtaattaatt ataatanntc aatatgttat 240  
gtaaaaaaat agttaaaata attaacatta taatgattnt agactatcta ataatttcta 300  
gtaagaattt aatgtataac aaacctggaa gcacagaagg ctaccacata atccgtccca 360  
gaacaagtga aaatactatg tggatcatca taagcatagc tgtaagaaag tggacatgcc 420

. tnccttaaact tcttcgaata aaacgtggga tt

452

<210> 7196  
<211> 424  
<212> DNA  
<213> Glycine max

<400> 7196

aggaagaaga agaggaagtt cttagagact cagaaatcaa tgtggaaaaa ctgcttgtgt 60  
aaagaatgaa ttggacaaga tagatgtgta gaatgattga ttgaaatgaa tgattgaatg 120  
cataacacaa ccttgctttt atagactctt catgtctggt caagaaaacc attagaagag 180  
ttatgacttt agaaaacctt acaacctata tgaaaaagtc aaaaactatt tggtaaacag 240  
gttttgagac aaatccatgt gctactcagt tactgaataa actttttcaa aaattatcat 300  
tggtaatcga ttaccaaatac agggtaatat attacacata gctttcttga gaaagaatgt 360  
gactcttcac atttgaatct gaatttcaac gttcaagcac actggtaatc gattaccaca 420  
acat 424

<210> 7197  
<211> 212  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7197

agcttgagta taattgattc tttgtgttat gagcctacat caaacagttg gattattgat 60  
gtttctgtca caatcaagcg attgttgatg tctccatatg tgtgtacact gtgatcatgt 120  
tttcgtttct agaattcatt tgaaatgtct gttgntaatt ctgaatgagt gatccttctt 180  
gatttaaaaa atatcgtctc ctaatcaatt ga 212

<210> 7198  
<211> 190  
<212> DNA  
<213> Glycine max

<400> 7198

tctcagagtc atctagaggc acgtgcacgc agtgcacgtc tctgaatgag ctaagatcac 60

tgtgctgata ttagttaaag agagaagagg agaatagtgc ttacaatagt tactcacacc 120  
 ttcaaattctt tggactgtga agatctttcg tgataagtga ggcgtgtcac tttcttgagt 180  
 tcagaaaaac 190

<210> 7199  
 <211> 184  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7199

agctagagaa gcctatcgat tttatttctt gcattaatta atatactata gnnngcctta 60  
 tatatccgct agaaatgtat gagcaacttt gaacagctct gactacaact ttgttcaagt 120  
 aagaaaacaa aggcaaccga tgattaccaa ctattaagat gggaaaaaat ggctatgttg 180  
 gatg 184

<210> 7200  
 <211> 470  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7200

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 gagggatctg aggatgaagc ttagtttaag ttagtctaaa cctaggaagg ctgtctaaat 120  
 taagcctagt ccaacaagag ggatctgagg atgaagcttg gattaattca gtctaactag 180  
 ggatcgaggt ttagtaattt aggctacaac atagaacaca naagcatgna tgattagaga 240  
 aacatcatta tatacatcaa ctggtttggt agaaagaccc aataccttta cctactgctg 300  
 tcaatcttgc attnttattg tttttagcct agacttagtt tatttctggt ctaaattcatc 360  
 aatgtttctt tcaacaatgc cttatttatg aatttaatcc tgtctaagac tagttccctg 420  
 agttcgatac tcggattcat ccgttttaac tntaaatact tgatgatctg 470

<210> 7201  
 <211> 299  
 <212> DNA  
 <213> Glycine max

<400> 7201

agcttctcgg ctcattgctga gaacgcctct agttcaacac ccgtgcagcc taaggcacc 60  
accagaggg aagctgcca agttccaact ccgaacacga ctgcaccgga cggtaattcc 120  
aacacgacaa ggaacttccc tccgaggcca ttgccggaat tcaccccgct cccaatgacg 180  
tacgaagatc tctaccatc cctcatcgcc aaacattttg gccgtggtaa cttccagaag 240  
ggctcttgaa ccccttttcc cgaagtggta tgaccctaac gcaacttgca agtaccatg 299

<210> 7202

<211> 221

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7202

agcttgtcaa tcactttgaa tgtgtacgta cgttttagatc tcgcaaagaa aatttaacaa 60  
ggtggagtga agatccgagc cacctacact accctttagg aggtctaggt gcctaaacaa 120  
ggaactttaa tttcaatgga aattttgaaa caccctntac ccaaatactc ttccagtctt 180  
actaaaatat tgggatctac tgtttcttag cttcttacga t 221

<210> 7203

<211> 454

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7203

agcttatata tctctcagg tgaagataat agacctgtg ctctgctgtt aaaatgtatg 60  
tttatgcatt agttcttaac aaattttctc attgtttcct tgtttccttg ttttctcatt 120  
gtcacaattt gacattggct tctcatggac gagaaaatat caagttgagg agttccatca 180  
ttgaagtacc ttgtttcctt gtagctata tatataccag aacaaggta ttattattat 240  
tattattatt attattatta ttattattat tattattata tatactgcaa atgtatgatt 300  
atataattnt ttgatatttt aaaccattta tatttttctt taaatttaatt ttatatctca 360  
gaattctctt aacattctaa tttgtgggtc aattctttaa ttctcaatta taacaatata 420  
ttcatcaaat acatcttaatt ggtaattgat gtta 454

<210> 7204  
 <211> 311  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 7204  
  
 agctntgact gagcaatgtc acagtatgga tagcttattc ttataactcta taaccttaac 60  
 tcttaggcat tcattagata aactttttcca ccataaagga gagtaacagt gctacagtat 120  
 gtcattgata ttgaaaaatt aataaaatgc aggtataaag agctcgtcat atgctcataa 180  
 caagagaagc tactggaaag gagctggcaa tacacttgac atattggatt ggaacctaac 240  
 agaactactg ccagctaata catggacgat tcagttacaa gctacaacta cataactaac 300  
 tctatattat c 311

<210> 7205  
 <211> 202  
 <212> DNA  
 <213> Glycine max  
  
 <400> 7205  
  
 acttagagca cctgaggcat gctgctatac attcaattcc gagcgtttcg ttatattact 60  
 agactcaatc attacatccg agtaatatgc tctcgtcgca tgaattgcct tacagcttaa 120  
 acatttaact ttgagcgtct cggttatatta caggactcaa tcagacatcc gagtaaaaag 180  
 tcattgctcg ttgaattggc tc 202

<210> 7206  
 <211> 476  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 7206  
  
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 ttaggcactt ctctctcttt cgaatttgct gaggaaaatt atttccgtga agaaaaatcca 120  
 agccgagacc cttccgtaac atttccgtga gtaattacgc gaagattctc gaccgttatt 180  
 caagatccat cggttggttct tcgttntctt cagtcttcaa cgggtaagta cctcaaacca 240

agcttttcaa ttcattatat gtaccctgtg tggccacat tgtgtttcat gtattttcat 300  
 tctcgttttc atttactttt tataccccct tttgacgtgc ttaagccatt tatntaagtc 360  
 atttctcacc taatctaana ataaaataaa tttccaccga tcggttgaat tgtataatcc 420  
 gttaattgtg gttaaaatga attccgactg ttcgggctg cgcgaaccac gttgga 476

<210> 7207  
 <211> 133  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7207

agctcgtgag gattgatggn gaccctgtgt tgatagaaac gaggatatgg gctacgtggg 60  
 agtacgtgag ctcagttgga ggtgggcaac aggggatggg gggtttatgc gcgctctgtg 120  
 gttgtctaaa aat 133

<210> 7208  
 <211> 164  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7208

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 tcatattgcg aggtaaatgt taaggcagat aaacaatcaa aactcctatc taatatctac 120  
 cactctatgt ctcttctatn tgcagggnaa agcaatcctt gcta 164

<210> 7209  
 <211> 528  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7209

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 tcgactaatg ttcggctcga tctgtagcga tagagcgttg ccgcaggcaa cgacccgaag 120  
 ggcaagcgc gcagcgtga gtaatccttc ctccaccacc atcactttca aaagcctcgg 180  
 aattctcaaa cgaatccgca atcaaatatt ctgcccaagc ggngaaggat gagaagcttg 240

tagaacttcc ccaggcaa atgctattgg agcanagtgg gtgttcagac acaagctcga 300  
 tgaaatatgt aaggttgtga gtggaacaaa gctaggcttg tggccaaggg ttattcacia 360  
 caagaaggta tagattacac tgaaactatt gctcatgttg ctctctaga agcaatgcac 420  
 attttaatat cctttgctgc ccatcatggt atgatgttgt atcacatgga tgtaaaatgt 480  
 gtgcttcttc atggacttaa tatcgacgcg tctatgttga acaaccgc 528

<210> 7210  
 <211> 220  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7210

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 caggaacctc ccaccagcaa gcagggtat tttgctatct ggtccagcag gtatacttag 120  
 caagaattta acctgtcctg cagaaacctt ttttaattnt aagttggctc gactaatact 180  
 atctacttat atatctcgaa gaaccttacc agctcatgct 220

<210> 7211  
 <211> 169  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7211

agcttgcaact ttttgggaacc atacatgaat tnttgacata aataatacaa aagaaattat 60  
 tatttatcta aatgatataa gtcaattatt atttatattt atgatacaaa ctattgatca 120  
 taggtgagaa attgattctc cccaaaccaa cttctcacat ctcttttat 169

<210> 7212  
 <211> 239  
 <212> DNA  
 <213> Glycine max

<400> 7212

agcttgtgca aatcaaatac ctctacatc tcatctctag catgcattat ctttctttac 60  
 ccactcctca cgtttggctg tttagggaac aactataac taaacgcgcc gcaagggatc 120



cctatcgcac cagatccaaa tctagaacga tgggtgatca agaggagaca caggaacaga 180  
 tgatagccga catgtcggct ctgaaagaac aaatggcctc catgatggag gccatgtta 239

<210> 7213  
 <211> 458  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7213

agcttagcgc gcggccttga tgctgacgct ctgtcagatt ctccttggcg ctaagcacac 60  
 tgaagctgcg cttagcgggtg gatgcacgct tagaccaact gctactcntt gcacttcaaa 120  
 acttagcctc tttttcatct gaaattgcat atatctcatc attaaattta atggacatat 180  
 tctagagact gctgtaacca taaaacaaga tttttttaca agaattactc aaaataacca 240  
 taaattgggg aactatacaa gctttggaaa atgatttcta taaaaaagtt attcgtataa 300  
 ggcgactaac aactctccca aatttacaat tttgcttgct ctcaagcaaa gaaagaacag 360  
 ctcactagtc cttaaagcgac aaagatagtg gtcagtcaaa agaaaatggg gtctgattat 420  
 aaaggaatca accattgaac tgaatatatg aaatctta 458

<210> 7214  
 <211> 123  
 <212> DNA  
 <213> Glycine max

<400> 7214

aaacttaagc gttttgtgta aataaaatgg aggctgctat tgtaaatttc tgaggttcta 60  
 acttctaata taataacttc atcttatctc ttcccatcca tccactcgca acaaccccc 120  
 ata 123

<210> 7215  
 <211> 352  
 <212> DNA  
 <213> Glycine max

<400> 7215

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ttggtctcgat atacgaagat gatgttccga gtacattgga tttggtacga ccatgccctc 120  
 ctgatttcca gctgggaaat tggcgagtgg aggaacgccc cggcatttac gcaacgagca 180  
 taatgtaaac ctttacgggtt ttaaaagctc tatagttggg cctaggcttt agagtctttc 240  
 ctattgttaa ggcttttgtgt ctttcgtttt tgaattcata atacaaggat ctttcttcat 300  
 ctgttccctac gtctctaccc attctcattc atttgcattg ttacttcttt tt 352

<210> 7216  
 <211> 465  
 <212> DNA  
 <213> Glycine max

<400> 7216

tcagagtcac ctgcggcatg caagcttctc ttggaccttg aacaagcaac tcaactctctc 60  
 ttccataacc ctgctatgtg ctgcgcactg ggccctttct tcccttcgca acttgagtcc 120  
 attattgcta ccccatagag ctccgcgaaa tttgttccgg ccatactctt ccttgcgagc 180  
 cctcttggtc tcttgttcaa gggctcttgc gcgaattgca ttctcttccc tgaaccgggc 240  
 acactccttc cgaacgtgtg taccacccaa cttgaacttc tccttggcga gttttgcctt 300  
 tcctaactct gctttgagag catggacttc ttcgtactct ctccggtgctt caaaactctc 360  
 ttcgtgacg actcttaact tggcgagcca atctaaacct tgtatgcgaa ctttcagcca 420  
 ttcgtgttac ccaccagtga tgccattacg aatgcctcta agctc 465

<210> 7217  
 <211> 192  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7217

agcttaacat cagaccactt ccaggggtgt ggatactact tcacatggac ttgatggngc 60  
 ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tgttgctgtg gatgatttct 120  
 ccagatttac ctgngtcaac tttatcagag agaaatcaga aacctttgaa gtatttaaag 180  
 agttgagtct aa 192

<210> 7218  
 <211> 475

<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7218

catgcgagct tctaagacga tgattaattg acctaattt atagcttatt tttcatggct 60  
aagnttgtaa tcttgtgcag atcgtgtttg tataacaatca atttaaaata taatataatg 120  
attataatga gtaattaatt ttaatatcaa tataagctca atacatttat gcgcataatg 180  
gcaatgaaga ataaattaaa ctatctgcac aatttattct tgtataataa gtgacactaa 240  
ttgaaatgta gcataacgac aactaacaac aatgttttat taaatgcaat gtacatggca 300  
agggaattaa tttagttaa tctaaaacga gtgcattttc ttagccaata tttaaataat 360  
gctaataata gcttgcgttc accctacata ttacttatnt ctttacgtac atgcttatca 420  
tctaaattcc taatatataa tgtacaattc tataatgaga aacgctatat aacaa 475

<210> 7219  
<211> 229  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7219

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ttaacattgg tatgactaac atgaatgntc tcaggacacc gtagttcagt ggactgacaa 120  
cgccacaata ctagttggga tagtgtcaaa agagacgac gcccttgagg ccaccttaat 180  
acgagcatgt tcacgcttta tatagacttt acagctttca tgtgctgag 229

<210> 7220  
<211> 375  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7220

agctntcatc ttctactcaa tcatcaactg gattacaatt actcactttt gtttgtgtca 60  
atgctcactt ttatagtggc cttgcatcaa atttcataat tgaacattcc attgatcctc 120  
tgccccctca cttaaactcg tgcaataaac attaggttcc atttactaac aatagccaaa 180

gattgtatgt gaaaagtttc tattctataa gataatacca aactgatgaa atcaactaaa 240  
aagttcccat gtgaaaaata aataatgtta aaagtgtcat aaatttataa ttaaaataag 300  
acataacaaa acatacccaa taatgtcatt ttgacattcg atcaaacaca taacttgcaa 360  
ccaataaatc agtct 375

<210> 7221  
<211> 428  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 7221

agctttcaac actggcaact gcaagatant tgtaagttct ggcatatatg ggattaggcc 60  
aaatggaaaa attacaaatg tcaaaagact aaccggtagg gccatgacta acacaaggcc 120  
aataaagcaa cggccttaag cctcttttca attattgaaa ttntatatat ttttaaaata 180  
cttctaaatt aatagataat aaattttatt atattatttg tatttaactt gtttctaaaa 240  
taattagtaa aattttattct ctctaaatat aaaatagaat aactatattg aatgagaata 300  
tttttaagaa ttattgtgtt tgataagaac aagtaaaaaa attctctana aaaaatatct 360  
ttggattctt ttgctaata ttttctctta ctatattttt cataatgcac aatgaacaag 420  
atagattc 428

<210> 7222  
<211> 459  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 7222

agctntntgg agtagatata tgggaccaac tcattntatt tcaaaaaagg aagtcgtatc 60  
tagtcaaggt ctgagagacc atacaagttt cctaattgatt tctaattatg tgggccatta 120  
agtctatcat atgctgacaa tagccgagaa gcccatgaat ctcttcgggg gcggagtagg 180  
tgtctgccat cgccttggcc ttggctaaca atcggngaag ttcttgactc ccgttcaagg 240  
taagagcaaa ccgatccatc cacatgggtg cctcttggtg taaagagtcg atcacccttc 300  
ctctagcctc tttttccgca tatacttggg catactcatc cgcgattcta tactcgtggg 360

ccgtggctag acccaactct tcttggtact tggcgatgat agctaacatg ttgggtttctg 420  
tctcgcatag acgctgagac aagctctctt tggaccttg 459

<210> 7223  
<211> 468  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7223

cgcttgtgta atcgattaca ggctttanna attgaatcat aatgttcagt aactactggg 60  
aatcgattac catccatgtg taattgatta catagtgtaa agtttaaatt caaatttgta 120  
atggctgttg taaatcattt ttaccacta gtaatcgatt acatcctctg gtaatcgatt 180  
accagagagt aaatcgcttg aaaaagtctt ttacttata tttctttggc aaacctgttg 240  
ctatttcaat ttggaattcc cttcctaaaa tactagagat cttcttgatg ttgtatcttg 300  
tattcttga ttgttgtctt gaattaaact agagaagcac attttcataa gacatcaa 360  
catcatgatc atatggcatc atcaaaacat caaatgcaaa gtatttgctt ctacaatctc 420  
aaagtctttg cttctacatt accaaatact gtaatcgant acaacgca 468

<210> 7224  
<211> 379  
<212> DNA  
<213> Glycine max

<400> 7224

agcttatata attgaactta aatgttcaat aactgctggg aatcgactac tatatatgtg 60  
taatcgatta cacagtgcaa attttgaatt caaattttta tagctgttgt aaataatttt 120  
tggccactgg taatcgatta catcctctgg taatcgatta ccagagaata aatctcttga 180  
aaaagacttt ctaattttaa tttcttggcc aaaacctttg ctacttcaat aaggaattcc 240  
cttactattt aatataccct tcctatgact ctagagacta tcttgatcat ccatcttgaa 300  
tatctttaat ttctttgtct tgaataaage tttgacaagc atgtgatcct ttggcatcat 360  
caaaacattc agcttgatc 379

<210> 7225  
<211> 380

<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7225

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agcttcaagg ttcanagttg gatcaaaagc ggcttgaggg acttttccat ttcccagagca 60
tcagttgagt ggcgcattcc tgttcctgat gacaagaccc agactatata tgtatggttt 120
gatgctttac tagggtaagg atatgtatct tatagcttgt gcgtgctcct ctagcttccc 180
ttgactctat tctataatct tataggctcct gtctatcata ctcaccgact atcatcttgt 240
ttattgttcg aaatacatag ctaaatgcat gaaagttcac attatgcatg atcatttgta 300
cagaatcacg ataaagaaca gcttggactt ctgctatctt gctgaatatt ctctattaca 360
tgtgtcgcta atcaccttcc 380
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<210> 7226  
<211> 456  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7226

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agctntanaa cctgtnnttg atgctaaaat ttactcaaat gacaaggtga attataagtc 60
ataaccctgt caaatccttc tcaagccctt gttaattcct caagcatcac aaatgaggca 120
tgccactttt tgtttccttt ttttttcgat tactcacata ttgtttcaat tatattatat 180
attatatata ggaaaccatt agttgagttg taagtgtaac tgtaattaag acaactcaaa 240
ttcaatcaat cttctcaaat ttaaccaggt gtgtgggtgg ccaagatata atacaacaca 300
gattttattc tcatggcaga agaaaaacat tttatcacac aaaaaggaag acaactctag 360
tactaactga gaaaataaaa aacgatcgct tgcttactct tagagtaatg atacatatat 420
gcatacactt aatactctta ttctacttta tctctc 456
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<210> 7227  
<211> 521  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7227

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aagcttaact tagtcaactga cctatctgcc taattatcat aacaaccgag acacgangaa 120  
catgcaagtg tgctacgaaa catactgac aagctcaaat cccaattgca cacggctgcc 180  
tgcaatcatt ctttaccatc agtcatcgac tacaacctct ggcaacccat caccagatac 240  
catatcccta gaacacgctc ctctactcta aaatacatgc gccaccttt agctatacca 300  
attaggacat tccttcctaa aacccaacag atctctcgat gtcttattct cgtattccga 360  
gacgccgtct tgaataacca ctagacaacc acatctctct atatagatcc tattaccccg 420  
atcatctggc ttactgaaca catcacagcc tgtatcgctt ctcaatctca acgttccgat 480  
caacttcccc tatcgcacgc attacttact ccttaccccc g 521

<210> 7228  
<211> 421  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 7228

agctggcttc ctttgattnt cggcatgtct cgggacttca catatcgngc aacaaagggt 60  
gccaaagtatc tcgaagcggc caatcaaagg ttgtatatca tcaaataata atccccggac 120  
gaaattaggg tatgacaggg tcgaagcggc ttcctatacc aatgtcacga ggagtgtggt 180  
ggtcagattc ataaagaggg agttgnattg tcagtacgaa ctccctagga agatcattac 240  
tgacaatggc acanatctga ataacaaaat gatgcaggat atgtgcatgg atttcaaaat 300  
ctagcatcac aattccacgc cctaccgacc aaagatgaac ggagccgtgg aagcagccaa 360  
taagaatatt aagaatatta ttcagaagat gacagtgtcg cacaagatt ggcatgagat 420  
g 421

<210> 7229  
<211> 273  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 7229

atgcttatga tgatgatcaa gttgttcaag tttgtttgat gatgacacag acgatgacaa 60

aaagcccana gaaatgattt caagattgag tcaacaagtt caagatcaag aataacttcc 120  
 aggttcatga gaagaaatca agaagattcc agaatcctga gaaggtctgt ttccagattc 180  
 aagagaagat gaattcttga ttctcgagat gaaatctagc atacctccca gggaagtttt 240  
 gacagattct tcaaaaacaa acatagcacc gct 273

<210> 7230  
 <211> 131  
 <212> DNA  
 <213> Glycine max

<400> 7230

agctttgctg atgataatgc ttctattaca ttattatcgc tatcagatga gcctaacaga 60  
 agtghtaataa cttgtcatgg atactacaca acatcggtga tttaaatac cgacgttggt 120  
 atcctatatt a 131

<210> 7231  
 <211> 196  
 <212> DNA  
 <213> Glycine max

<400> 7231

agcttgtaac tcggctttca tcgctttaag ccaacaacca tgttgagatg ctttagcata 60  
 tgtcttatgc tcagtagatg tagaaatgga aagaacaaaa tgtctgtggg atgatgatag 120  
 acgcgaataa gatagtacag aatcgagagg atgacacact atagctgaat aatcgagagg 180  
 atggctcact gaagct 196

<210> 7232  
 <211> 196  
 <212> DNA  
 <213> Glycine max

<400> 7232

ggcttgtaag aattctaaga tcattctcct tgtctactct tcgaaaaaga tcgcatgat 60  
 tatgaagaga cgactctcta tagatgttcc tgagaggaca atttagagag tgatcaaaga 120  
 ctcatcgat cgatttccac tgcactatc tattgacaga tcccgatata ttaatgttga 180  
 aagtcttcca cctcat 196



<210> 7233  
 <211> 459  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7233

agcttccggt cncaagatca tcntttatnt aagtatttca gcctttgctt tctttagtct 60  
 taggaaaaat gccattcttc ttctttcttt cttccaaatc catttctaaa gttccaagta 120  
 ctttctccat caccacatc caccattagc caccacaaac catcattggt ctccattgaa 180  
 aaccacacc gagaggaacc cttcaaccga agcagaatct tcaacttgct cgcgtgtttg 240  
 gtaaagaacg aaaaccctaa tctgatcttt cgttttcttt cgaggtaacc atgcgtctat 300  
 gctcgtttct tgctagcttc atcttgcttt tgcattcttt ctaactctgc aaccgccatt 360  
 gcatgtctta tgcttccttt gacaaacctt agagaaagag acttttgaaa cattatcctt 420  
 tcatgaaatg catggtatat tcgtaacctt cacttgacc 459

<210> 7234  
 <211> 465  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7234

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 cgaaagaact acgtatgtct gatttcctca tcacaattga ggatacgtag gagcaaaatc 120  
 cccacttttg tccaacccat gagatcatta aagggtccaac accttaatgt ttctcaccca 180  
 aaagagattg ttcaagggtct aacgccttaa tgggtctcac cttcccaaag agatcgttca 240  
 aggtccaacg ccttaatggt tctctccttt caaaagagat cgttcaagggt ccaaacgcct 300  
 taacatttct caccacaaaag agatcgttca aagggtccaac gccttaacgg ttctcttctt 360  
 tcaaaaccga gaggtcgttt caaggccaac gtcttaaaca aatctcaagg gctgaaaaat 420  
 ngatatattc taggataccc tacctacatt atggagccct aaata 465

<210> 7235  
 <211> 400  
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7235

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tgcttctgaa atttccttta gttcttgggt tcagtttcat atcagcttaa tctctaacaa 120  
ttacagttaa ctaaagcatg ttaaaaaacc aaactcaata gaacgaatct taaggagaga 180  
gagaaagtgt ttggcagatc actaaccttt tcatactcaa agtagcaagt gtggtagcct 240  
gatctcatgt gaagtgaaat atatagttac atctatggta gctcgtccag ctttgcggt 300  
ggaaactcta tcgaaggagc taaacctgca aactaaacta atgagaatgc tgattgacaa 360  
agagtcaaca attgacttgg cttaaatacc tattgcacat 400

<210> 7236

<211> 416

<212> DNA

<213> Glycine max

<400> 7236

agcttttttt aaagcctatt aaattaaata gaccaagctt atgcttatta aaaagcctta 60  
taagcctgat aggtcggcct atatatatgt atatatactt atattatttt tttgggtacc 120  
aatatatact tatattattt tttaggtaca attaatattt ttttttgaaa ctagaagact 180  
ttgattacac attactgctc cacaactttc attcctataa tcaagtaaga ctttaattac 240  
aatttaggtg tgattcatgt gcccctttat attcctcatt atttttattg gctttcctat 300  
tcctgttaac gtttcctttt cctattaggt ttacttttcc ttttaacttt tctattacgt 360  
tcctattcta gagcaaagga atattaaaga gatttaatgt gaagaaggct tttaaa 416

<210> 7237

<211> 495

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7237

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tcttggaattc aaagcttagg ttctacgaga gcattcattc tccattttct tgacaaacca 120

taactaattt tttcacagcc gcaaccttat tgttttgcta cacttaataa cacacatact 180  
attctttgca catggctgct tctagctctc attccacaaa ataaacaagc actgnttttt 240  
acaagaatga acattcaaca ttaatactgg actggagcaa tttactgtat actacaactc 300  
acattagctt gcgttgctat taaggttcca gcaacaaaag tttatcgata acactcccc 360  
atatttgaga caaatttgtc ctgatccatg agtgctctcc tacaacctaa gatagggttg 420  
ttactcagta tcaatactat tcggctcgga tttcaaatta agcttaatag ggtgcaatgg 480  
acattcacta ttaac 495

<210> 7238  
<211> 347  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7238

agctngcctc anagaggtcc aggaaggaca aggcggccaa aggaactagt tccgctcctg 60  
agtatgacag tcaccgcttt aggagcgctg tacaccagca gcgcttcgag gccatcaagg 120  
gatggtcatt tctccgggag cgacgcgtcc agctcagga cgacgagtat actgatttcc 180  
aggaggaaat agggcgccgg cgggtggacat cactgggtac tcccatggcc aagtttgatc 240  
cagaaatagt ccttgagttt tatgccaatg cttggccaac agaggagggc gtgcgtgaca 300  
tgagatcctg cgtaaggggt cagtggatcc cgtctgatgc cgtccct 347

<210> 7239  
<211> 384  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7239

tggcttatgt aagattgtat gaatatggag aaaccatcac atagtgttac taggaggccg 60  
tcagacgatt gagcacaaca ngtatatata tgtcaatatg ctgcattat ctcatcaggc 120  
actgatgtac acctacaact agaacttacg gacaattaat agcctatatt gaaactagaa 180  
gactttgata cacattactg ctccacaagc ttccattcct ataatecagg acgacttta 240  
tcacattagg tgtgatcatg ccccttata ttctcatatt ttattggcta cctatcctgt 300

aaccgttcct tttcctatta ggtctacttt tccttctaac ttttctatta cgtccctatt 360  
ctagagcaaa ggaatattac agag 384

<210> 7240  
<211> 51  
<212> DNA  
<213> Glycine max

<400> 7240

ttagaggcac ctgaggatgc aagctcgacg ccagctagcc cacgcgagca a 51

<210> 7241  
<211> 432  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7241

agcttcaaga aaaagatggc ctcagtatat tccttatttc cagaagggaa ttccatcaat 60  
agacctcaa tctttaatgg agagggttac cactactgga aaaccogaat gcaaattttt 120  
attgaggcaa tagatctaca tatttgggaa gccatagaaa tagggcctta tatacccacc 180  
acaggagaaa gagttacaat agatggtagt tcatcaagtg aaagcataac tatagagaaa 240  
cctatagata gatggtctga agaggataga aaacgagtac aatacaactt aaaagccaaa 300  
aacataataa catctgccct gtgaatggat gagtatttca cggcttcaaa ttggaagagt 360  
gctaaggaaa tgtgggacac tnttcgatta acacatgaag gaactacaga tgttaaaaga 420  
tctatgataa at 432

<210> 7242  
<211> 509  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7242

tttgaccncc gtgaanatcg ancccccttc gaggactga ggatgctcta cagtcgacac 60  
tgcatgcatg caagctagaa gctgggggat acactcgaag acattttgtc ttttaactgc 120  
ctatctccct cgagcgacat ttgtatagga tgctatctcg tgtgatgcgt ctgtagacat 180

ataggatgta tgatgcatcc gttcatcatg acatcgaatg tgtgagtaca aagcatttat 240  
gcttttaacg gtggcttcaa gaggcaccac ttctgattca tctgttcctg cgttgcacta 300  
atttactcac tcacatgtct tgtgctacag tcccctctct cccacattgt tatccctcgc 360  
taactattat cttctctgtc ctctcgctct tacttccgca aatttctctt ctccctcctg 420  
attctccttt ctgcacctca ttcttttctc tccctactcc actctccac tatccctctc 480  
ttgttttccc cctctcttcc tcttctccc 509

<210> 7243  
<211> 179  
<212> DNA  
<213> Glycine max

<400> 7243

agcttatgta ggaacaattc aagataagta tgatgtgaga attgaagttc ttccttggac 60  
ttcaaataca gcaaacagac aaaggcatat acatacatca aaccaagtac gtgaaggaac 120  
ttctgaagaa gtttaagacg gacgatgtaa agcaaattaa taccctaag catccaacc 179

<210> 7244  
<211> 248  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7244

agcnttcacc cttccctttt aaaagttgta tcagacacgc tcgccctgtc gagctaacc 60  
tgtccttttc tttnttgcaa aaacttaaac tatttctttc cattttatca ttttgtaac 120  
tcctatggtg aaggacctag ggctacaagg acatcgatgt gtggtaaagg aaatttgtcc 180  
tttggactgg ctcggttana tctgatagt ctacgcacat tcgctctttt ccattcttct 240  
tatggact 248

<210> 7245  
<211> 129  
<212> DNA  
<213> Glycine max

<400> 7245

agcttggtct ggattataaa ggagttcttg cttgttgaaa cacatagcgg ctatgatatt 60

gaaggaggag gagacaaagg tgatgttata tatgcaattc tcttactcct tctcgaagga 120  
gatttcata 129

<210> 7246  
<211> 476  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7246

agcttgtagt gaggcttggc tacaaaaaat cattgttnt tctataattc taaggcttag 60  
attctaagag agcacaaata ctatatttat ccaaatttc tttccaatac aattagctta 120  
ctcactagcc tttcacttta atttgtcttt gaccttatta caacaacaca cattttcttt 180  
gattgctctt tctcttttaa cacacaactt atttttgtg agtgctgatg ctttaccttt 240  
tactttacat cccaatcaac tcccccaaat tcggtgtaac ttgccttgaa ctatctgctc 300  
tcctagaatc taaacatggt atcttggaga tattcattca agtttacggt tcaatctttg 360  
aaatgtaact tagctcacat aggggtgcaa ggatacaatt ataattcacg gtaagctctt 420  
tggccaatag agttggctat acaataatgg gcgtcatcat gtgctcattc atacat 476

<210> 7247  
<211> 193  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7247

agcttgtagg gttcacccca nattccgctg tcatatgcta aacttgatcc catatctact 60  
tgataattca atggtagcca taaccctagc caagggtcat caacctccat ttctccgaga 120  
atacgactcg aacacaacgt gtgcttgta cgaagaagcc ccggtgcgtt ccattgagca 180  
ttggagggct ctg 193

<210> 7248  
<211> 301  
<212> DNA  
<213> Glycine max

<400> 7248

agctcgtatt tatttgacat gttttctttc aaatcattga caaatacgaa ctctgtacag 60  
accttaatat agcattatct agacacattg ttaattctga ttgaaaaact cgcgtggttg 120  
tctctgcttt tgtatatggc atgtaacatc ctaaaattct ataataatta ttgctattag 180  
tcttatcata aaaattatta gtataacagt tcctcctaata taaactgatt atgatgatct 240  
atctatatac atatataatat atatataatat atatataatat tatcactgat 300  
t 301

<210> 7249  
<211> 464  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7249

agctnntgga aatgatntct atacaaaagt tagtcgtata aagtgactaa cacacttagg 60  
ctataaatag aggtcatgtg tgtgcatttc ttcaactttg atcattttag aattacgctt 120  
caaagttcag acctcttttg aggcacaaat ttctgtgctc cttctcctac cttcaggctc 180  
ttatccatgg attcctatgg tgggtgagctt cttcttgact catcttctcc ttgaagtggg 240  
gtctctaata aactttcttc cttattcatt tcgctaccat taaacttcaa gaagaaaagc 300  
actccattgt tgaagaagat ccaaggccta caagttccac atggagctac attagtattg 360  
ccctttctcc tacgtatcct tagatgcgat gaggaactta gacctacgta gttctttaag 420  
tctgaatggg tgttgtgcta catngatctt atcttaattt taaa 464

<210> 7250  
<211> 117  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7250

agcttgcgag gattgatggn gactctgtgt tgtagaaac gaggatatgg cctacgtggg 60  
agtacctgag ctcagcttga ggtgggcaat acgggatggg tgtttcatac actacta 117

<210> 7251  
<211> 198

<212> DNA  
<213> Glycine max

<400> 7251

tctagaggca tctgacgcat gcaagctatg tgaatatcac atctgatata taggggttat 60  
atcctctcga tagtaccctt tgacaactaa ggatcacatt ataaataaag gatctacatc 120  
tgattaagtc actgtataca agactaatct aatcagaaga tcctctcata gtatagtaga 180  
aagtgatcta gtgatgat 198

<210> 7252  
<211> 192  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7252

gagcttgagc atattcanac gacaataact ntntactcgg atgtccgaat taatccagta 60  
atatatcgag acactcgtaa ttgaaaatgg aagctctgag caaattctaa cgataataac 120  
tttnttctcg gatgtcggaa tgagtcctcg tatatatcaa gacgctcaaa attgaaaaca 180  
aaagctctga gc 192

<210> 7253  
<211> 208  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7253

agcattgtga cattgtttat tgactatggc cattatggnc gaccactgtc atggngaaat 60  
taccacacca ttcgataggt tgttaacgct gttctatagg gtagctatca ctctattgcg 120  
gatgggctat ttaccacgat cgtgatctaa tgtatagtct tcacatcttg ataatatcga 180  
gcactttcca acactttcac ttaattga 208

<210> 7254  
<211> 458  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations



<400> 7254

agctngagct cgttactact gcccatagag cctctcggaa cttgttccta ctccattcct 60  
cctttctagg actntatggt tctactcta acatttcaac cgtgggcagg ttgacatcct 120  
tcacctcatc atactctttc ctgaccctag tgattgtcgt ctttagcttc actttcacca 180  
ctcttgtggt ttttagctct actttcataa cttgcacttc ttcattttcc ttaagaattt 240  
cagcctttgt tccacttaga ctttttaact gtgggagcca agctatccct tgcattctag 300  
acttcaacca cttgtgatag cgcgcgatgt caccattgct acttccttta agtccttat 360  
ctttcttcc cactctattc cacgctttac gaactttccg aagtatcttc agactatctt 420  
cattgaagcc tcgcatgatg aaaggcatga tgacttcc 458

<210> 7255

<211> 422

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7255

atctctagag tcacctcagg cngcaagctt cataacctct cttatcaatg tccagttata 60  
tatactctac ggtgcaggcc ataaaccaac atagcaagaa gcaaaaaaat aaacaaaaat 120  
tatatcataa acaaaatatg gctactcgac caaaattcaa aacgaagctc cactcataat 180  
tttaaagctg caagttcttt agtcaaagcc atattacttt cttttaatct aaaacactcc 240  
acagtcgact tctcatgctt ctaattcaat ataaatcttt acaacgttaa tctaggctgt 300  
caatagttaa cttgtcccaa ataacacaga acgctacaga gtatttcacc tctgatttca 360  
tttgaagctg cgaatgatgc ttttctattc aaaacctcat tctttaaagc tgtctctatc 420  
tt 422

<210> 7256

<211> 330

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7256

agctnngatc catcatataa ttttaactgt atcatctatt taaagcctac acaaatgttg 60

agttgcaatg aagttgtaat tgcaagttga gagatagact aagcaacaac gagttagtga 120  
 tatacaaatg ctaatatatc aattatgggc aattattcat cttagtcct ttaaaagtga 180  
 aaatactata atatagcaga tgtatcttgc tgtctcttaa tctatacaaa tcaaaatgat 240  
 cctaactggc taattctcgc tggtttctaa actttattta cgtttgctg tgcattcaga 300  
 gaggaattct gtaagttgta cttactgact 330

<210> 7257  
 <211> 471  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7257

gctntgaggc tatatatgga ccatcgacca ctaataatat tgcagatgta caagcgggctc 60  
 taaagtaaag gaaagtgcta caagctactg tagaacctat cagattgtca actctctttt 120  
 ggaaattttg atcgacatct gacaaggaag gatcaataac aagctactga gtggctactt 180  
 cttcaaggt cactacctcc atgtanttcc tcaaagaata ttctgttga accaaatgtg 240  
 aatgtcatat tctaccttaa cntagagga catcaaactt tggaatggaa aacctgtaac 300  
 aaagtctgga gaaacaaagt tgatattggg acttgggtac ttgatcatga gatgcaaaag 360  
 ttagagcagg aaaagctaaa tctccttaag ctctaaaagg atagcactng gtgggaaaac 420  
 atcatagtta gtttgaagaa agtagaatct aagggtggagc tcttatgtct a 471

<210> 7258  
 <211> 212  
 <212> DNA  
 <213> Glycine max

<400> 7258

tcactgaatt tgtgatagca aacaagtgtt cctagatata tcactgtcac catcttctaa 60  
 ccatagttgc aaaatgtcta cttaccata aaactactgc acctatatat tgctcctggc 120  
 ggaggccaat ggagcataat gctatgaaaa ccacctgtta tgttaggtta ctacttactc 180  
 tctagaggta gccctattcg tcaggagcac ct 212

<210> 7259  
 <211> 411

<212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 7259  
  
 atatatatat atatatatat atatatatat atatatatat atatatatat atatatatat 60  
 atatgatagg cttgaaaaga agaattataa acatacatgc acaaataaca aaacacagag 120  
 ttttctttgt tctcctaagt tgtaaatattg gtcagggtgt tacacttttt atcgccaac 180  
 acttgctgcc tgttgattaa taaaaagtaa ttctgatcgc tccctttata tgaaaaatat 240  
 aattatgtca tttcttatca atagccgatg tagcgcgggc agaacaaaaa tattttgtgg 300  
 gaattaactt actcatttgt ggtactgcat gtaatctact taatgttaaa atttattaca 360  
 attaatttga ttttctagaa ctaccataa aattgggtgt acaagaaatt n 411

<210> 7260  
 <211> 121  
 <212> DNA  
 <213> Glycine max  
  
 <400> 7260  
  
 agcttgaacc gccagtcca atggtctgaa ggtgtgtacc gctagtcaca gttgcgggac 60  
 atgtgctgac cacgagagag ggggtgaggct gtgccactgt cgctgctgt cgggagagga 120  
 t 121

<210> 7261  
 <211> 300  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 7261  
  
 cgcttgntga gtgaatgaaa tggctatgaa gtgtaacggt ctagacacta acaaaaaggaa 60  
 ccactaaatt catctcgtgg atgcattata tagaaagcca aatgtaatga agtggtccct 120  
 ataacatttg tggaaagagt cacatcaata tttatgaatt gccaaatgac atccaaccat 180  
 gatatagaat taaagttgta cactaataac caattcatta aattcattgt ctcatgtca 240  
 tctatacctg tctatggcgg tttgaagcan caccttacag agacttcttg gcactgaata 300

<210> 7262  
 <211> 445  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7262

agctntatga ctctcctacg agagtgc aaa aacaacagag aaatttattt aagttgagtt 60  
 tacatagtta ttttgagaac aaagcttctt attctacact tagtacaaaa gttcaaaatt 120  
 tgattttttg taccctgaaa ctgaaatcac tttgatttca gagtgagaaa agaaaaagtc 180  
 tcataacaag tcctagcttc cttagttaat cagttcccg atctaagtta atgaatttct 240  
 ttataattcc catcatttct cccccaggga aacgccccag acatcccttt gcagctgcc 300  
 cttcattcag ctcataaacc gaatcaccac tataagcttc acagcatttg tctctctctt 360  
 ctgtttccag atcatcaagc aagtcttcac ccgacttaac acttgggaata ggaaatgggt 420  
 caagagaaga tttggaaata gtgga 445

<210> 7263  
 <211> 213  
 <212> DNA  
 <213> Glycine max

<400> 7263

agctctacat cagatttttag taatgaccca ctattctaga attaaaataa cttaatgcc 60  
 ttaacctatg taattaaaag aacttaatgt ctgagtgtaa ctgaaattgt ggctacaaaa 120  
 agtcaccctc aatagccaac atgtcagcca ccatttgatc tcccataacg ctgatgccta 180  
 ggatgacaat tgggtcctta ttacatactt gac 213

<210> 7264  
 <211> 475  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7264

tctgagtcac ctgaggcatg caagctgggt gactcttacc tgagtcagn gtcctacca 60  
 ctttatttca ttaaacagca cctcaaata ctgtcaaaat tctggcctta tttgttatt 120  
 tgtgtaacat tactcatgtt gaaattactg ttaagtaaat tatttgatag tgtacaattt 180

tagggtaacc agtcaattc taagtctcta tcaggaatag aaataaaagc aagtcattga 240  
 tgaataatcc ttatccttac tactctaaac atgacagcaa cacaagacaa gattcattga 300  
 ccactacttt tactagaaat caaagccttg tattctggag gtacaaaagc cgaaaaatca 360  
 atgcttcata ttaagttttt tgctgtcacc accaagggtg gaataacatc tactcatgaa 420  
 tataattaaa ataatgaata agtaacagcc aaaattagtg gagcacttac atgta 475

<210> 7265  
 <211> 195  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7265

agcttgtagc anatgcaaac ggcaataacg ttttattcgg atgttcgatt gagtcacgtt 60  
 atacatcgaa acgctcgaaa ttgaaaacag aagctctgtg caaatttaaa cgacaataca 120  
 ttttaactcg gatgtccgat tgagtccgc tatatatcat gacactcgaa actgagaata 180  
 aaagctgtga acatc 195

<210> 7266  
 <211> 304  
 <212> DNA  
 <213> Glycine max

<400> 7266

atgcttttag atgctcacta aagtatgaaa ctttcagtag tttagttgat gacctactca 60  
 taggatacgg acataatctc tctctgacat ataatgtggc atatagatct ccagtgtgag 120  
 ccatgttcat taacacgatg agactgctca tagcatgacg tgtatgcacc tgttactgat 180  
 agctaactac gatgtatata aatcaagtca ctgtccttaa ttgataatta catacatatg 240  
 ctttcgcat aacacagatc agtactatcc acacaaacct ctgatctagt catggactga 300  
 tcca 304

<210> 7267  
 <211> 475  
 <212> DNA  
 <213> Glycine max

<400> 7267

agcttgtagg cctaggatct tcttcatcaa tggattcctt tgcttcttgg aaaatgaatg 60  
gcagcggaaat ggagaaggaa gagagagaga gagaggagac gccacttcaa ggagaagatg 120  
agtctagaag aagctcacca ccataagagg ccatggataa gagcttgggg gaagaaggag 180  
atgaatgaag ggagagggag agaagagcac tgaaatttgt gctccaaatg agctttgaaa 240  
tctgaatttt aatattcaaa tgatcaaagt tgaaaaaaat gcacacacat gacctctatt 300  
tatagcctaa gtgtcacaca aaattggagg gaaattcaaa tttcacttga attggtggag 360  
ccaaactttg gagccaaaat ttcactaatt atgattagtg aattctagtt atgggttcagc 420  
ccactaatcc aagatcaatt ccaagattct ccactaagtg tgcttaggtg tcatg 475

<210> 7268

<211> 180

<212> DNA

<213> Glycine max

<400> 7268

agcttctatt ctgaatttcg agcgtctcga tatatttcgg gagacaatcg gacattctag 60  
ttacaagtta tcggcgtcag ctatagctca gtgcttatat tgttaatatt gaacgtcttg 120  
atatacctcg agagaccatt cgtcagccga tgaaaaatgt cctgtcgaat gcctatgctc 180

<210> 7269

<211> 344

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7269

agctctaaca tcagaccact tccattgtgc tggatctact tcacatggac tcgaaggggc 60  
ctatgccagt tgaaagccat ggaggaaaga ggcattgcta tgctgatgtg gatgattcct 120  
cgagatatac ctgggtcaac tgtatcagat aaaaatcaca catcctngaa gtattcaatg 180  
agctgagtct aagacttcac ctagacatag actgtgtcat caagagactc atgagtgacc 240  
atggcaaaga gtacgaaaac agattgttta ctgaattctg ctcatgtgaa cgcactc 300  
atgagttgta tgagccatta caccacatca gagcgacata tatg 344

<210> 7270  
 <211> 446  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 7270

agctntaatg gtcttgatac aattaaagaa gaatagaaca atccaatcat ggagagagag 60  
 agagagtaga gagagaaaca gtgggtggga gagagttagg actaggaaag agaggagagc 120  
 tagagtcaga tttcgagagt cagaggggttc ccatctgacc atcgaagggt tagccacagg 180  
 acagcgtcaa tcctacacgc gagcgaactg gagagaccat aaggacgtta tatcccttta 240  
 ctttacgagg ttcccgaag acgcaacagc aaaggatttg tggttccatt ttaaacagca 300  
 aggagacgtg agagaggttt tcatacccag ganaagaaac aaccaaggaa ggagatatgg 360  
 ttttgtgagg tataaggggg tgagagatgt gcatcaactt cagcagcatt tggacaatat 420  
 gctcttcgga ggaatgaaga tgaatg 446

<210> 7271  
 <211> 361  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 7271

agctntatgc anantcaaac gacaataact ttttattcgg atgtctgact gagccccgca 60  
 atatatcaag acgctcgaca ttgaatgttg aacctatgag ccaatgtaca cgacaataac 120  
 tatttaatcg gatgtttgat tgagtcccgat attatattga gacgcttgaa attgaatgta 180  
 gaagcttgag gcacattcaa acgacattac ctctctactc ggatgtctaa ttgagtcccg 240  
 taatatatcg atactctcga aattgaatgt tgaacctatg agccaattta aacgacaata 300  
 acttntctac tcgtgatgtc tgattgagtc ccataatata tcatgacgct cgatattgaa 360  
 t 361

<210> 7272  
 <211> 327  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations

<400> 7272

cgctntcaac aagagtcttc acatataacc atcatgaagc agataactaa cagaactacc 60  
catcatatct gccataatct catacccacg aaatttaata gagaaagaag tccacccaaa 120  
cctgaaatct cgaagtccca ctctgtatata cgcacattac gactccgaaa atgtctctct 180  
tttacgattt ggggcagaaa tgatggctca aggggtgaag cttgtctgga gcttcaatgg 240  
agaatgaagg agaagagaat ggctacgtga gggagagaga gagctgtctg aatagtgtgg 300  
gggctgactg aagagagaga aaagctt 327

<210> 7273

<211> 424

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7273

agcttgagaga ggatgcttca atggaggaaa agaaagagag agatagagaa naagagaggg 60  
gagcacgaaa ttgaaggagg aaaaggggaa gagaagttga actttgagtt gtgtctcaca 120  
agactctcat tcatcaaagt tacaaaaagt gttacacatg cttctattta tagcctaggt 180  
agcttccttg agaaacttcc ttgagaagct ttcttgagaa acttccttga gaagcttctt 240  
tgagaagctt ccttgagaag ctagagctta gctacacaca cccctctaata aactaagctc 300  
acctccttga gaagtttctt tgagaagatt cctagagaag ttagagctta actacacacc 360  
cctctctaata agctaagctc acctccttga gatgagaagc tagagcttag ctacacaccc 420  
ccta 424

<210> 7274

<211> 404

<212> DNA

<213> Glycine max

<400> 7274

agcttttcga ttcattctat gtacccgtag tggttcacat tgtgtttcgc gcatttatat 60  
tctcgttttg ttactattt ataccctcct gttgacatgc ttaagccatt ttgcttaagt 120  
catttctcgc ttaacttaaa aataaaataa atttccatcg aacgtttgaa ttatattatc 180  
cgtaaacttc ggtaaaatc aattccgacc gttcggtcat gccgttacca cgtttgaaat 240



caagaagagg taaaaaataa tataatattc aaaaaattat ctcttttagtg aaataaagcg 300  
gaaatcaat cggacgtttc ctctttggga ttctcactc ttaatcgaat tgactaatga 360  
ctaaagtga actaatgtta taacttactc tcttagtata gctc 404

<210> 7275  
<211> 456  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 7275

gagagtttgg actgggattc aaagttttgc atgtctaggt tttctagaga gagaaaggtc 60  
caagttccag agagttttga gagattatgc tgtgtgaaga ttgacagaga ccaaagcttg 120  
aagcaagagt cggtttgaga gcttgagatg agtttgtgag tgattgtgag atcctagagg 180  
tgaaggagac atgctcacca cttgtatttt tgcaatcttt catcttggtc ttctctttgt 240  
tgtaaagaag gcttcctggg atggaaagct aaatccttg ttggatcttc tctgtaggta 300  
cctgatgtaa atatattttt atctatttaa taattnttg tgtgttctct gtgctatctg 360  
cttttctc cagtatgct ttaccttgat cacgtagatg catgctctgt tagggtcatt 420  
caacagtga aactggtcta actctaaagt ccttga 456

<210> 7276  
<211> 469  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 7276

atattcttag tgtgtatata tgtctaataa ttggtttata tttacattta tatcttttct 60  
gagttttatt taatgtgcca ctcaacaaaa taaaaataaa ataaacagcg caaaaaaat 120  
ttcattgact agaaaaatgc tgaaactagc cttagcctat actaatttaa taaatttagt 180  
atcggcttag cctacattaa aagaaaaaac ttctcagtc ttacttgact aatataatta 240  
ttaatgctta ttgcttgacc gttgagagac attcacaaaa gaaattataa tgaatagaga 300  
tagagtacag gcctatgtaa ttaaaaaacat gaacatatng gtattttntc tggtaaggta 360  
cagctcatcc tcgtcttctc ccataatat aaataagtat taagtactga tgaacagcat 420

gtgtgattac tactcaatta atgtacgcat aagttcaact atagtgatc

469

<210> 7277  
<211> 481  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7277

agcttctttt ggaccttgaa caagcaatca actcctctnt cagaaccatg ctatgtgctc 60  
gcgactggtc cctttcttcc cttegcaact tgagttcatt attgctaccc catagagctc 120  
cgcgaaattt gttccggcca tactcttctt tgcgagccct cttggtttct tgttcaaggg 180  
ctcttgcggt aattgcattc tcttcccgta acccggcaca ctcttccga acgtgtgtag 240  
cagccaactt gaacttctcc ttggcgagtt ttgcctttcc taactcgctt ttgagagctt 300  
ggacttcttc gtcctcttcc ggtgcttcaa aattctcttc gctgacgact tttaacttgg 360  
cgagccaatc taaacctcgt atgcgaactc tcagtcattc gtggtacca ccaatgatgc 420  
cattacgaat gcctctaagc tcttgatctt tccttaacgg ggtntcccat gccttatgga 480  
t 481

<210> 7278  
<211> 343  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7278

ctatgtaccc gtagtgggcc acattgngnt tcgtgctttt tattctcgng aagggtacta 60  
tttatacccc ctgttgacgt gcttaaacca tctacttaa gtcattcttc gcttaactta 120  
aaaataaaat aaatttccac cgaacgtttg aattgtatta tccgntaact tcgggtaaaa 180  
tgaatttcca ccgttcgggc gtgccgtaac cacgttggaa atcaaaaaag aggctaaaaa 240  
taatataata atcaaaaaaa catcttttag taaaataaag cggaaaatca atctgacgtt 300  
ttctctttgg gatttctcat tcttaatcca attgagtaat aac 343

<210> 7279  
<211> 252

<212> DNA  
<213> Glycine max

<400> 7279

aatctgatgt ctctatgtta cacactttgt attatatata ctagtattta gcagcaatta 60  
cttgggatca tcacatctcc acctcccaat attaatacatt cttattataa tatcacatga 120  
gaagacgtta taggctgatt cactgctgta catacatgac atattgaacg tacgctcgtc 180  
atcgtattgg ggagacgtac aacaattgac gctctgttac aactaatcct gttcgtgaca 240  
cgattgtaca aa 252

<210> 7280  
<211> 446  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7280

tactcaagcc ttctccctat nttgctataa atagggggag aagtgaataa gataatgggt 60  
cagcccccta ggcacttctc tctctctcga aattgctgag gaaaattatt tccgtgaaga 120  
aaatccaagc cgaggcgctt tcgtaacggt tccgtgagaa attgcacgaa gattctcggc 180  
cgttcttcaa gattcatcgt tcggtcttcg ttttcttcag tcttcaacgg gtaagtacct 240  
caaaccaagc ttttcaattc attctatgta cccgtgggtg tccacatttt gggtcatgta 300  
tttgtattct cgttgtcatt tactttctat accccctttt gacgtgctta agccatttat 360  
ttaagtcatt tctcgcttaa tctaaaaata agataaatta ctaccgatcg tttgaattgt 420  
atcatccgcg aatttcgggt aaaatg 446

<210> 7281  
<211> 479  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7281

aatactcaag ccttggatag aggtattaat taanattctt aaaaatctat ccactttaaa 60  
taaatagaag tgaagtaaca tggatttggt gtggtgcgga caacgaatta aattgtaacc 120  
cccaacatta aaatgtaatg tgtcaaaatg aaaatgtgtt tctaattcta ttagtgtaat 180

gtgttttcggt gtttgtaacc cccaacatat taaattgtta atatnttatt aaaagcacta 240  
aaggaaataa cgcagtagca caccttccct gattgtcaaa ttattttttt agtttttaat 300  
atatatatat atatatatat atatatatat atatatatat gtgtgtgtgt gtgtgtgtgt 360  
gtgtgtgtgt gtgtgtgtgt atcgatccct aacaaaattt ataccttact caccgcgtcc 420  
cagctggaca atcggatctt aaacttacct tcgcactcac ccattctcta tatattcca 479

<210> 7282  
<211> 456  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7282

aaggaaatga tcaaaatgat aacagtatat atgttctggc agcatcacaca acgccacaca 60  
gaaacataga aactacctg ctgaggatgc aatccactcc ctacttacag tagacactca 120  
gagagacatt ctttctgctg ccagttctag tgctacaatc cacatagaac aatatctgaa 180  
ccatattctt atccatattc ttatcacaca gtcctatcag tagtcatagg ggctaacata 240  
gaaaagtcca caacatggaa gttcactttt aacaagagac aaataagaga gcaaaaaaaaa 300  
tcacaaataa caaatggctc actactgtac ctgcttaaac acatacaatc attccaaagt 360  
tagatacata atacattatc ttaaagcatc aagagaaact tacgatacac ttgaanaaga 420  
taaataagtt cattcccagt tgacaaaaca atgtct 456

<210> 7283  
<211> 442  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7283

atatattatt tagacactnn anaacacaac taaatttttg atttctctnc atctttctct 60  
ttgtatatgt tactaatttt ctatccacca catatccatc atatttatat tcttccccta 120  
ctatttcttt atcttactgg gtgccaaaaa tagcatataa gatgtacaca aataattttt 180  
gtaagcttaa actacagatg aaaaatccta cctagtcacc tacttgccat caccatattt 240  
tagtcctgc accttgatag tttgattaaa gataaaaaaa tgcaaccat atatgatatt 300

tggaggccat gcatgttttg tcaaacatat aaaccgtgaa atttgactca catgttggct 360  
 cgcctaacct tctaatttct aatccatgct catgaatcat gatataatgg attaagctag 420  
 cctagttgta catacaccca tg 442

<210> 7284  
 <211> 453  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7284

ttaggctggt caattgcttc agattgctgc acaaaagggc aaatgtctgt gtgggtggctcg 60  
 gtagaggagc ataaaccaca gaatttggtg acagggtgcaa atttttgatt catggccagt 120  
 tgggttaccg ggttaactaa ggcattctagt ttaccttcaa gcttcttagt ctcagctgat 180  
 gaagatgaat tcatggctac ttcattgcatt cctctaata caatagcatc atttctagca 240  
 ctaaattgct aggagtttga agccatcttc taaattaaat ttcaggcttc agtanggttc 300  
 atgtctccaa aggctccacc actggaaaca tctatcatac ttcgctccat gttactgagt 360  
 ccttcataa aatattggag aagaagctgc tcagaaatct ggtggtgagg gcaactggca 420  
 catagtttct tacaatctct ccagtattca tat 453

<210> 7285  
 <211> 203  
 <212> DNA  
 <213> Glycine max  
 <400> 7285

tatcgagacg ctcgcaattg aataccgaag acgctaagca aattccaacg acaagaactt 60  
 cttactcgga tgtctgattg agtccccctca tatatcgaaa agctccaatg tgaatgtcga 120  
 atctctgatc aaatttaaac aacaataact atttacttcg atgtctgatt gaaggccctc 180  
 atatattaaa atgctcgaaa tgg 203

<210> 7286  
 <211> 471  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7286

cttgtaaata tatgaattcc atgaatntaa aatgacacan aaggatgcc aagtatgaac 60  
 aatctataaa atatgaattc cattaattta aaatcacaca aaaatatgaa ttccatcaat 120  
 tccatgaatt taaaatccag aggtatagaa gaaggaactg agtttcttct tgtcgactat 180  
 gaatagaaga agccatccaa accttgtttt gtctaagctc tagtctcaga ttttctatat 240  
 caattctacc tttttccttg actcctaaat cttctattac taaatgaaaa gcagtgatga 300  
 gacaagatta gcacagaggt tgttttaate atttatcagt actgagtgtg gcaaagggtg 360  
 tacctgtggc ttgngttcca aaaagctttg cttgctagca gttgttttca tttctagcat 420  
 cactttgggt gtaggtnta tgctangcac aagtgttct ggatagatat t 471

<210> 7287  
 <211> 456  
 <212> DNA  
 <213> Glycine max

<400> 7287  
 aagcttgagt cgaggaagtg tagaaaggtg aaacttcttg ctgttattct ttgtttccag 60  
 agcggtagct ggagatatgt cgcggcgggtg aggagacctt gaggacgtca ggtgggggtgc 120  
 tattgccc aaaccaagctt gaccaatccc gaccacaacc gggcatagtc ggtcagtgag 180  
 aacctgtgat gtacctaaac aggcgagctc ctggcagtc acagataaaa ggaacaaaga 240  
 ccacaaagca aggaggcttg tgggtggctgg ccagctgtga aacttgattg atatgtgaga 300  
 tatggtctct ggtaatcgac taccaagggt gggtaatcga ttacaaggct taataatgaa 360  
 gacaggaggc taagatggtc tctggtaate gattaccaac ggggtgaatc gattaccagg 420  
 cttgaaaacg aagtcaggaa actaaggag cctctg 456

<210> 7288  
 <211> 432  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7288

tcgtgaggaa tgccttgtgc ttagatagca tgaattatcc cttcgatnat atgtatgcgt 60

gtaaatatgt agcatgaaat gccttgcaaa atgttgaatg aaatgccttg caaaatgttg 120  
aataaaatgc cttgcaaaat atgaatatat atagcatgaa gtgccttaca aagtgtcttg 180  
ataggtagcg taaaagtatt ttccaaaata tgtgtatttg tgagtaggta gcaaaagaag 240  
ccttccaata aaaaaatgtg tgtatatata taggatgtag catgaagagg tttgtcaaaa 300  
aaatatgtac atggatgtgt gtcataaaat gcctctcacc aaactattat gtgtgcaaat 360  
gcatgtgtca taaaagaaca cgcccccaat atgattatit tataaagagc atgttgacac 420  
tcgcgccata tg 432

<210> 7289  
<211> 212  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 7289

atgagtcatg acaacagctt tcagaattgc cccatgtatg gtgttgcttg tcaatgttag 60  
gattcaacaa gcgattcttc tcanatttca gccagcccat atcaattaga cttcacactt 120  
tatgcttcgg ggtcatacaa tgctcaatgg aatgccccng ggctcctnca tgataagcac 180  
acgttgcggt tgagtcgtat ccttagaaaa at 212

<210> 7290  
<211> 420  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 7290

acattgatgt ttgtatttat gggaggaggt tgtacgccat ttttgtttta agagtagtgt 60  
cccactggta aaactaactt tccaaatitt tgcttctgca ggaaatggcc ccgaggaagc 120  
ttgcctcaaa gaggtccagg aaggacaagg cagccgaagg aactagtacc gctccggagt 180  
atgacagtca ccgcttttag agcactgtac accagcagcg cttcgaggcc atcaagggat 240  
ggtcgtttct ccgggagcga cgcgtccagc tcanggaaga cgagtatact aatttccagg 300  
aggaaatagg ggcgcggcgg tgggcatcac tggttactcc catggccaag tttgatccag 360  
aaatagtcct tgagttntat gccaatgctt ggccaacaga ggagggcggt cgtgacatga 420

<210> 7291  
 <211> 468  
 <212> DNA  
 <213> Glycine max

<400> 7291

tactcaagct tagcagttta ttcactcttt tagtattggt gaatcatttt attcattcaa 60  
 actttttgttt gtgaaagtca agagtgaatt agtggtatgg aatacttggg tggctcttaga 120  
 ttcaaaagga gtggcaggac aaaatacttg tttgtaatta aagttttgat tagtagaatt 180  
 ctttacagtc acataaagga gaattgaaca ttgctttggt taagtgaact agtataaacc 240  
 aagtgttacc acatctttct taattgggtt tattgagtat tcttttaagc ttatcttgac 300  
 accgtttctc accaagtgtt tacctgaaaa acctttgtgg aaatattact ttattattac 360  
 tggacgacca aacttggttt tcatcaaact tgttttgctt attagtggat gactccattg 420  
 catctatctt tttggacgtg gaataaaaagc ctctatttga aaaatggt 468

<210> 7292  
 <211> 482  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7292

tactcagctt ctaaggaagc tacctagtct ataaatagaa gcatttgtaa cacttggtgt 60  
 aactttgatg aatgaaagtc ttatgagaca cactccaaag ttccacttct cccctctttt 120  
 tattccttca atttcgtgct cccctcttct ctctttcttt ttctccatta aagcatcctc 180  
 ttcaagcttc ttatccaagg cacattcttg gtggtgaagc tccttcttcc atggcttatt 240  
 ccctagtgga tggtgccctcc cctctcttct tctcctttgc ctccgctgc ctccatagaa 300  
 gctccacaag caagcttcca tcaagtggta tcaaagcaca agagcttcta gtaggtgctc 360  
 cttanaccta cattaatgct ttgctttacc ttctcacatg tcttggtgcta aatgttggtta 420  
 acatgattct ttagagtttc caccgattaa acttgctata gaagctagat ttgattntct 480  
 at 482

<210> 7293  
 <211> 454



<212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 7293  
  
 ctacacaaat ntaattccta aatgacttta tctctacaga gctataaagg ttcataattta 60  
 ttaatataat tcaaacattt catgcatgct ttcagttgtg tgttttagatc aatgtttctca 120  
 tataatagtc tttaaacctt caaattttgt atcttgtctg tagggggttg gatcccttag 180  
 cccctctctt cttttcactg agtgatatgc cttcaaattt atcagtgaga tcctaaatca 240  
 tattcaatct gtaatagttt aatgtgtgta tatatgtgtg caactctttt attactacct 300  
 ctntgttttt gcctcttcac ctttcaacct atccatttaa tgttgcatgt actctgcctt 360  
 aaattggatt atgcaatatg atatttatct atgggtggata ttgatatgga gtctcttacc 420  
 taccatatag aanacaaatg tctccataat ttga 454

<210> 7294  
 <211> 455  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 7294  
  
 tactcaagct tgtccaanat gcaaacaata ataattgtca aacggatatc ctattgagta 60  
 ttgtaatata tcgagacgct tgtaatggaa aacagaagct cgtagaaaat gcaaactcgca 120  
 ataactttta actcggatga tcgattgagt cccgtaatat atcgagacac tcgaaattga 180  
 aagcagaagc tctgagcaaa ttctaacgac aataactttt gactcggata tccgattgag 240  
 tcatttaata attcgagacg ctcaaaattg aatacagaag ctctatgcaa attcaaatga 300  
 cagtaacttt cgactcggat gtccgattga gtcattttat gaattgagac gctcaaaatt 360  
 gaatgcacga gctcttacca gatccaaatg acaataactt tntactcgga tgtacgattg 420  
 agtgccgtaa tataatctaga cgctcaatat tgaaa 455

<210> 7295  
 <211> 479  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations

<400> 7295

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ttaaagtggc gtctccaatc atcattcttc catctccatt ccgctgtcat taatcttcaa 120  
gaagcaaagg actccattga tgaagaagat ccaaggccta caagctccac aaggagctac 180  
atcatttttg gtttgatata tagactttta gtccactatt actattgtgt agggtagatt 240  
tgtcctttgc aacaattaat aagtataaat taacataaat atctcatcat caatataata 300  
ttctcaacaa caacatgata aattacaaac aaaaaattat agaccaaccc acccatcata 360  
aatatgtatg actttaccat tataacaatt ntatacttca tgtttaaggg tatcaaaacc 420  
cctcataagt ctttggttac tatctccttc atcttttatt atgtgcatat gaccttcat 479

<210> 7296

<211> 441

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7296

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atcattgttg catgtgtttc atggaaataa tgtaggacat cccctttatc cccgaaccgc 120  
tggccaaatc ctgacatgta tcatgaccag ccgttctaca agccttgagc caaaatccta 180  
actcaccata atccttacc cccgaagaaa acacaaagag aaggaaaatt cccaatccaa 240  
gaaagggaga agacacaaaa aaaggaagag agaattccca atccaagaaa gggagaagac 300  
acaaaacaga aagaaaattc ccgatgaaag agtgggagaa agcaaaataa aaaaagaaag 360  
aaaaattctc gatcaaggat ccgaagaaaa cagaagaaac atgcagaaag gtcttttagac 420  
cagacaatat ctgaacaata c 441

<210> 7297

<211> 399

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7297

cggattcttt ttactctgga aacctcttct ttctatgtga acctcaaccc aatctctggg 60



gtttatgata ctattacaat tttggcagca cgtgatgtag aaagtatgac attctgcatc 240  
 ggttataggc acaactgatg tagaatgggt tagaaagatt aacattctac aacgggttcgg 300  
 cgtaaataac cgatgtagaa tgttcactat tctacgacgg ctnttacaag acacccatct 360  
 tcgaatgtgt ggtattctac atcggtcaga taatcat 397

<210> 7300  
 <211> 575  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7300

ccacaccgtt ctgcatgact gccgcgatat ttcgtggcga attaccggcg ctctacgcct 60  
 gcacaatatg cctgctaact atcgcttcgt cacntttccg gccctgannn nnaaccgac 120  
 ggctcactgt cacagattgc acccaacaat accgaactct tttcttctct aggctatcag 180  
 aagccctccc tggaaatgtg gcatatcaag agctatccgc gcatgtcttg ttaggaagca 240  
 ctcccctcac tctctactat tgaattgact cgcaacctga cctttggcgg gggtgtgaca 300  
 aggctatcgc aatggggcaa cggagcatct gccgatgaag gaaaatgtgc ggagtcacca 360  
 tcagcgttta tgtgacgata acgtcctacc aaccaagatg gaacaggccg agggtttgcg 420  
 tgtctcgaaa atcaagatac tacagttgtc gtcgcccagg aggtattaac accatacaca 480  
 cccgacacaa gcaatgcaga tacaccaaag tgtataatat gactgaacac atacgttcct 540  
 ggtggctgat ttacatcctg attacaccta cgccc 575

<210> 7301  
 <211> 590  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7301

ccacagctcg ccgcccgaca cccgtaagtt tgcggacgga taactagttg tgacacacct 60  
 ccgcgcgctc gctnntcgcg ccgactatgc gctcgtaccg ctctccngc cngannnnnn 120  
 agcactctac gcgcaggtgt gggagacgaa cgccaagcag gcccaatata ctatgatgat 180  
 gtgacgcaca cagaggacca gagtccacct agccctactg accaccaatg agggacatcc 240

caaagggatg aaccacccgg cattgacaac cacagaacac tgtataccta tacagctgga 300  
aaggcactat aagtgcgcct acgacaaaaa gtagcaattg cggcaggcgc ctagccaggt 360  
ctgatcgaga tagctataat gcaacgatct tgccctcatca gccagtagca cgctgaacat 420  
gcaaattccat acgcacgagt acgccttgta ctgcaccgct acaagaagga cgacggccct 480  
gccagtacaa cccctgagga cacctactac ggggtgcctga cgcaatcgat gcgcacagaa 540  
aggacaacga tctgtagctc caccaaacta gagggatggc acccagcca 590

<210> 7302  
<211> 480  
<212> DNA  
<213> Glycine max

<400> 7302

gcttccttga gaagctagag cttagctaca caccatata atagcttagc tcaccccat 60  
gaaaaaaaaa catgaaaata caaaaaaaaaa atcgtactac aaagactact caaaatgccc 120  
tgaaatacaa ggctaaaacc ctatactact agaattggcca aaatacaagg cccaaaagaa 180  
gaaaacaacc tattctacta tttaaaaaaa agagtggacc caaccttggc ccatgggctc 240  
aaaaatctac cctaagggtc atgagaaccc taaggccttc tttatcaact ctgcctaat 300  
cctcttggag cctcttgctc atggctctgg taactgggcc tttcctaggg aggattgcat 360  
catccctcc ccttgaaga ggatttgacc tcaaatctgt tggttcctcc tcctctatat 420  
cagctccacc tgcaaaagga attagatcag aaatattaaa agtggtgcta acctcact 480

<210> 7303  
<211> 408  
<212> DNA  
<213> Glycine max

<400> 7303

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gatggtaagc gtgcaattat aaatcccaat tccactgcag tacatgatca caattcctat 120  
taactgctat tggcagtaac caagttcata aagaacagtc cacaactcaa tgccggccgga 180  
tctgcccga atatccctaa atcgacagcc atgcgaccac aatctaaaac cttggtagta 240  
acataagcat ggggccaaat acatgaataa gagaggctag ttttacttta cccctgagca 300

aatatgcgac cagcctcaag agcattgtga ccaacttcac tattacccat gtcattctt 360  
gttggaaagt ctacagcggg accatgagcc ctaaccaatc tccatcgt 408

<210> 7304  
<211> 465  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7304

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tcagggtggtc tttggcatca catttaaact tgaaccattg tcgatgagta ccttanggat 120  
gacatggtcc atgcatctga cagacacatg tagagctttg ttatgctctc tcccccaac 180  
tggaatctct tcttccgcga acgcgatata gttattggta gttatgtgat taacaatgcc 240  
ttcaaaaccc tcgactaaga tgtcgtgtgc tacgtgggct tcggtgagga cctttaccaa 300  
tagtgcacga tgaggctcgg agtttatgag caattcgagc aaagagatcc ttggtggggt 360  
tttattcaat tgctcaacta ctntaaagtc actctgttgg atgagacgaa cgaactcatg 420  
agcctcttcc aaggtcacca cctttccttg aagaccttct ttctt 465

<210> 7305  
<211> 470  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7305

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attccttctc ttagccactt cactctcaat aacaaacat gctccagagt tgccttgtaa 180  
gatgtaccat gactgcttct ccccaaaact tcagctgggg ctccagacag ctctcatgt 240  
gtcaatgtta ttgcatcatc aagaaaataa agttctccag tcaatttatc tgctgatctt 300  
gcatatagtc ttgcatgatt tcctacagaa actgaatcac tagatcctgg tgatgaaaag 360  
tggtatttt ttgatgggga gaaccttggt gcagctgcc ttttttcatc atggctgata 420  
atctcagatg acgaaccttt ctgtgagggt acaaaatcct cggctgatac 470

<210> 7306  
 <211> 437  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7306

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 tagagttata caataaattt ttttgtccaa ccacaaagtt cttcttagct atcaagctgt 180  
 catggaactt cttggtcttc tcctagtaga atttggaatt ctcataggct tctaaacgga 240  
 tctcatctag ctcaacttagt tgcaacttcc tttcctctcc agcctgggcc ataaagaagt 300  
 tgcaagtctt tacagcccag taggctttgt actctatctc tacaggaaga tggcatgtct 360  
 tgccaaagac aacccgataa ggagacgttc ctatgggtgc tntgtacgca gtcctatgcg 420  
 cccaanaagc atcatct 437

<210> 7307  
 <211> 339  
 <212> DNA  
 <213> Glycine max

<400> 7307

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 tcaatgcaca aagtattctg cttttcacta tccatgttca cacattattg ctgttcatgg 180  
 ttacgtgagc atgaattatt atcaatatgt agacgttgct tacacatatg agcatatcct 240  
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<210> 7308  
 <211> 459  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7308

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gtctgttggc	taagcaaaat	cagcccccac	caattgttag	ctcaagggtga	ttattggaga	180
aacttgtcct	ttgtcatggg	tcaaggcatg	aattattagt	gaaaatcaaa	cagtcttgca	240
acgcttgatt	agttggcaaa	cattttttga	attgaatcat	gtcactgcat	tctaccataa	300
gatatattgt	tgctccgcat	ggtgcattga	tataaatgct	ttctttcttg	gatgggttact	360
ctgttcttta	tgaaatcgtg	aattgtatta	agtaggattg	ccagagtatt	actgcattta	420
ttccctactt	ttctctttgt	gctatgatgt	ttatggttg			459

cgn	gtgatgt	tgcgcgtact	gatggatacc	atgatgtgtt	tgctgggctt	tgacccacgc	60
ggg	tgttgaa	gagacagcat	gggcatctcc	cttcttactt	tatgacctg	cagccccgat	120
tct	tttggca	ttcgcgtttg	tggaggaaac	gttatccaac	tttgctactt	tcaaggctac	180
ctc	gattcta	tactcggcaa	acaccaaagc	cgctaagctg	gactgcatgt	cacctactag	240
ctt	ctcatag	cttaacactg	gcagcaggtc	actcatatgg	tgatcatctc	tctctcaaca	300
tgg	gaggagc	tcttgtgccc	ccg				323

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aaaaatagac agcttcagtt ntgaaacatg caaattatta ttctcttttt ctatcataat    60
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tgttgcgagt atgtttaact tgagggtaaa tctaaacacg ctcatgttaa aactttgaga   180
aaacaaataa atttagttaa gtcaatttga gtatttgttt ttttgttaaa attattttta   240

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<210> 7311  
 <211> 466  
 <212> DNA  
 <213> Glycine max

<400> 7311

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 ataataaaaa taaatcgctg gacatggcaa aaaaataatc ctaaactcctg aaatgaatta 180  
 acggaaacga tgagtttaat tcccataaaa gcaagttctc gtaagtaaag gacaagttaa 240  
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 atgcggcagc gaattattat tcattcattt ataaatagct agagaaagag aaatactgaa 360  
 ttactgatca tataagtatg attcttcatg gttaaactgg gaattgtacc aagtgagggt 420  
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<210> 7312  
 <211> 414  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7312

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 atagttgggc ctatgattta tgggttttgtt cttgttaggg cgtttgtctt ttgctatcag 180  
 atatataaaa tacgatatct tcttcatttg ttcttgcacc ttcatacatt ctcatcctc 240  
 tgtatgttta tttctgtgaa ggtactaata ccgaggacct tgacgtcgat tatgagcgaa 300  
 tagcaaacca agctgaggat gaagaagata aagatgcggg gtttccccta tagctagaaa 360  
 ggatggtcac acagganaac cgataaatga agccacacga agaagagacg gaaa 414

<210> 7313  
 <211> 421  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 7313

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 aactatcatg acatgtagag aagaatcaag gatttcaagt cacaaaatgt caagaacttt 180  
 tattttcaaa acaattaccc atttcttgaa catatcctat aattcaaaga anaacatgca 240  
 aagtcgtacg tgcacacaaa attgacccaa aatattaaac tgaaaatccg acgaaactaa 300  
 caacattaac aaattaacac aactaacaaa ttaacaaaac caacaaaact agcaaaacca 360  
 aagaacactc ccnccccccc ccatacttaa acaacacatt gtcctcaatg tagcacaatt 420  
 a 421

<210> 7314  
 <211> 390  
 <212> DNA  
 <213> Glycine max  
  
 <400> 7314

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 aaagaatcaa tgacaatgct tacaaagttg agctgcccgg tgagtataat gttagttcca 180  
 ccttcaatgt ctttgattta cctctttttg atgcagatgt agaatccgat ttgaggacaa 240  
 atcctttctca agaggagag aatgatgagg acatgaccaa gagcaagggc aaggatccac 300  
 ttgaaggact tggaggacct atgacaaggg ctagagcaag gaaagccaag gaagctcttc 360  
 aacaagtgt gtccatacta tttgaataca 390

<210> 7315  
 <211> 600  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
<400> 7315

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cacgagcgga tnnntngtac gtgnagacc gcgactgact cgtcccctgc aaagccgnnn 120  
naaggcgggc gcgagggcaa caccccaagg agttcggnca acatctttca ttatctacat 180  
cgctcaggg aaccagaaa tacaatatga gaactgagga ggccaaacca ctataaaagc 240  
gtcataataa ctcgagttag atggcgaaaa agtaatactg gaaggtgcaa cgaaataacg 300  
gcaacgacga gcggaagaga aaacaaagca caatcttaaa tgaaaggaca tagcaacaca 360  
cacacgacac gtaaacgtaa agaccccaaa acagcgcgag ggagacaacc agaggcatgc 420  
ggcagcgagt nattagtcag gcatggcgca ctagctgcag aaagagaaat actgaagcac 480  
tgctcctgta aggcagcacc tacatggcca aacagggaac agaccgacag acggctccaa 540  
tgagaatcca gcccatagca ttaccgatgg aagccgcacc gaaactaact cggagcccca 600

<210> 7316  
<211> 463  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7316

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ccttatatat ttttctgtaa ttctttttcc gtaacgttac gaaactttac gaatttcgta 180  
acgatactta ttttccttcc cgcaagggtta cgaatcctta cggatttatg tatttactct 240  
ttttggcttt caaagaagtt acggaaactc acggattgcg caaaaacacc tcttttcgat 300  
ttccgccaca ttacggaatt tcacggatta cgcaagcctg cttccttttg gatttctgag 360  
acgtctcggg acttcattta ttgcatgtca tcaatttata atcctcggac gaaattaagg 420  
tatgacagtt gccctctnt acttacctct catcggagat aag 463

<210> 7317  
<211> 370  
<212> DNA  
<213> Glycine max

<400> 7317

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acagtataaa atatttatga attagtatat taattactta ataattcaaa gattggattg 180  
ctaaatatca tgttctgtta aaagtttcct gattttcagt gtgtgaagtt gattgagctg 240  
ttcccatact ccttacaat aataataaga aaatgaagta aaaataaaaa aagacaacta 300  
aaggagttcc cggaaacaga caataataga aataactgac ccaccaagaa ggcatagtct 360  
aagaaccttc 370

<210> 7318

<211> 195

<212> DNA

<213> Glycine max

<400> 7318

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aaaccctggc gttaccaaac ttaatcgctt tgcagcacat ccccttttcg ccagctggcg 120  
taatagcgaa gagggccgca ccgatcgccc ttcccaacag ttgcgcaacc tgaatggcga 180  
atggcgcttg atgcg 195

<210> 7319

<211> 372

<212> DNA

<213> Glycine max

<400> 7319

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gagatatgtc gcgggggtca agagaccttg gggacgtcaa gtgggggtgct attgccccaa 120  
accaagcttg actaatcccg acccaacccg ggcatagtgc gtcagtgaga acctgtgatg 180  
tacctaaata ggcgagctcc tggcagtcga cagatgaaag gaacaaagac cacatagcaa 240  
ggaggcttgt ggtggctggc cagctgtgaa ctttgattga tatgtgggtt atggcctctg 300  
gtaatcgatt accaacggtg ggtaatcgat tacaaagctt aaaaatgaag acaggaggct 360  
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<210> 7320  
 <211> 315  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7320

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 ttctgagaaa taaaatctat aaccatttct tgggtctaaa tttatgcagc tgttggttaa 180  
 tgttgtaacc atagtttaat gtgcattcta atgtacattc acaatattgt tgtaaattatt 240  
 ttaattgttt gacaggatgt aatgttaaatt gccgctacaa tatttcattt tctgcgttta 300  
 tgatgcatgt tgaaa 315

<210> 7321  
 <211> 409  
 <212> DNA  
 <213> Glycine max

<400> 7321

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 gaagcccatt taccctattt tctctgcttg acacctctat atttaccagg agtcttcctc 180  
 ctgcgtgatg ggggtatgagt caaaaccctc ttcttacttt ggggttgacc tttagtgcta 240  
 accctcattg tattttatttt gttattcaac tcacaagaac tagtttcaag agtgggtgaat 300  
 gtgtgaagaa gacggagaag agagatctca cacatacttc ttttaactat tctcgggttc 360  
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<210> 7322  
 <211> 321  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7322

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gacatccgac tgaaatgata ttgtcacttg aatatgctta tagcttcaat tttcaacata 180  
cgagcgtcta cagatgttac aggactcaat cggacatccc atttacctgt catagatctg 240  
tgacaatatt taaatctttc gacctcaatt tccagcgtat ggtcttccac acggctcaat 300  
ctgacatcct aattcaaagt t 321

<210> 7323  
<211> 378  
<212> DNA  
<213> Glycine max

<400> 7323

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gacaaccaac cattgttggt cttcctgcta gggtttctga gggacgttgg gggccgatcg 180  
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ccttcgtatc ctttctcttt ctcttccgtc gccatcacac taacactgag ggagagtgtg 300  
tgtgtgtgcg tgtgtgcgta cgttctgtga atcggtgctt ccaagacgga aagagaacat 360  
ccatagcact gcgatgta 378

<210> 7324  
<211> 377  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7324

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aagcacaac ttcaagcctt attccatgta ttgggggggaa gttatggctg gccatatggg 180  
tagagggtgc atagaggagc aggtatggag gaagggacct tggactgctg aagaggacan 240  
gttgcttggt gagtatgtca ggttgcattg tgaacgtaga tggaactctg ttgctaggct 300  
tgcaagtaag aaacacaaaa ctgttatcac tgtttctgcta ctaaaatata tgatcggatt 360  
ttcacattta caaccga 377

<210> 7325  
 <211> 137  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7325

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 tggttctcgc ctattct 137

<210> 7326  
 <211> 412  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7326

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 ttggcggcca cgctcaacaa agtactttcg acacctactg tacgttgatt tgaccaatgc 120  
 tgttatggga atattgogac aatctttcaa aaccttggtg atacattctg agagggttgg 180  
 tgtcatgtgg ccatatcaac gtgcttctct atcataagcc atcgaccatt tttcctttga 240  
 aatgcgatca attcatgttg ctatggctgg actcaattca cgaaatattt ctaaagtgtg 300  
 ataaaaaatg tgcttggaag agtgtacgct gcctaaaatt agatatcaat aacgtggatg 360  
 agtctctatg aaacgtaaata aaaccggacc atcaaataatc aaatcttacc ca 412

<210> 7327  
 <211> 152  
 <212> DNA  
 <213> Glycine max

<400> 7327

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 gaaaaaaatt gggttctgtga agaaaaatccg agccgaggcg cttccgttac gttttcgtgg 120  
 ggattatcgc gaagattctc aaccgttctt cc 152

<210> 7328  
 <211> 468  
 <212> DNA  
 <213> Glycine max

<400> 7328

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 aatatacatt tatgtaaagt ttactttcac catttagttt gtcaaattat atcaaattca 120  
 agttagacaa cattattttc aatatttgac tcattgtatt aagttgaata tgacaattct 180  
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 ataaaatgca ttaggctagt taactcaact gaaacctttt caatgaaatt tatgtcttta 360  
 aaatataata tcatattaaa tatgaataac tttagtctca tgtaagtatg atataatatg 420  
 gacttaactc ataaaattct gacttttaca ttactcaagc tttattaa 468

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 <211> 454  
 <212> DNA  
 <213> Glycine max

<400> 7329

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 attttgcttc aagattaata caagattggt tcaacaaaca aagccttgat tcaagatttc 180  
 ttcaagatca agccttgtct cacaatgaaa ggtttcaagt cattcaaggc acatgtaatc 240  
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 acaactgttc aagaaaaaca actatgtaat cgattacact aattctgtaa tcaattacca 420  
 gagaggattt taaggaatat cgccacagtc acat 454

<210> 7330  
 <211> 404  
 <212> DNA  
 <213> Glycine max

<400> 7330



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<210> 7331  
 <211> 414  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7331

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 gaatgacttc aagattgagt caagaacaat tcaagaatca agaatcaagt ttcaagtttc 180  
 aagtttcaag tttcaagaat caagaatcaa gaatcaagaa tcaagaatca agaatcaaga 240  
 atcaagagta atcaagatca agattcaaga atcaagacaa gactcaatca agataagtac 300  
 taaaatgttt ttcaaaacat tgagtagcac atgaagtttt cacaaaagct gttaccaaag 360  
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<210> 7332  
 <211> 438  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7332

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 gaagaaaaca aaaatggagg atgagagggg aaaaaaaagg gtttcttacc tctaaaatca 180  
 atccaaattc gaaaaatcct ttgtgctaag gtttcaagtc actaaaaact aagtgtatga 240

ctcttctctt attttctatg cgcaccgcat agcttcttaa gctcacttac tccattctat 300  
 atcactcaag gccattcat cttagcccag acatcctana acagactatt cacacccaaa 360  
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 aataattaat taattaat 438

<210> 7333  
 <211> 422  
 <212> DNA  
 <213> Glycine max

<400> 7333

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 acttaaaacc aatttgaaaa agtcaaaata ctttttgatg agttacatct tttgatttat 180  
 tcagaaacaa aactggtaa tcgattacca aattagtga atcgattaca caaagctttt' 240  
 gtgtgaaagg atgtgactct tcacatttga atttgaattt caacgttcaa aggactggg 300  
 aatcgattac caaaacattg taatcgatta cagctttttg aaattaattg gaacgttgta 360  
 aattcaattt aaaaaccttt tcaaattcat tttgctactg gtaatcgatt acaacaatat 420  
 gg 422

<210> 7334  
 <211> 448  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7334

agcttctatc accctggctg tgctagactc atgaatgggt gcgaaatctt gttgaatcaa 60  
 tccatgtnat ctgcacaca gtggcaggca ctgcacagag ttgtcccaca ggtgcaatgt 120  
 gttcactaaa ttgcatccat gtatcatccc tttcttcaat agagacagaa gacacaacag 180  
 gatgtgccat aatagttag atgtatcaa actgtcgtac taccctgttc ggtcggcgaa 240  
 tgaccatcaa ggggccccat gtgagatagt cccacaataa tgagatgacc tcaaattctc 300  
 taaatgaacy gtgggtctcta tactgaacct agtacaccac gtcaggggtc agtctgtcca 360

gacgcctgtg atacatggaa actggcagcg ccttgccaga ggtccatcag catgtacgca 420  
atctcctgtc atcataatac tcaatatg 448

<210> 7335  
<211> 287  
<212> DNA  
<213> Glycine max

<400> 7335

gttgacacac tttgtggtag atttacggat ggcctttgtg gataactagt aggtgggtca 60  
cgatgaagtt agtcatcggc tgagttatca cattgatggg tcgcggggaa acttggaacgc 120  
ctttgaatcg gttcaccac atcagtgett cctcttttct caccctcttc atctgccccca 180  
gttgtctaag acctcttatac acgatgatga aacttgtctc ttttcagatc cacttcgatc 240  
ctttcacagg cgaagacccc attcgtacc ttgaatgtgt gtcaccc 287

<210> 7336  
<211> 458  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7336

aagcttggtg acacgcggtg atttacgtca tcttccgcgc tacaatatct gtttactgac 60  
tttngagtca cgctgacggg cggaataacc cgagtggat ccgataaaat tttgctgtct 120  
gtaagacgaa aagcctgata acacgcagag actaacgtcg tcttctgcgc ccttcgtcaa 180  
tcgcggccga caagcccgtt gacacgcgga gaattacgtc atcttccgtg ctcaacaagat 240  
ctgtcatact gacttttgag tcacgtgac gagcagaaat acccgagtgg ttatccgtat 300  
aaactttttg cattctgtaa gacgaaaagc ctgataacac gcagagacta acgtcgtctt 360  
ctgcgacctt catcaatcgc ggccgacaag cccgttgaca cgtggagaat tacgtcatct 420  
tccgcgtca caagatctgg cctattgact gttgagtc 458

<210> 7337  
<211> 403  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations

<400> 7337

gacataatac atggcggtgt tagagctggc tcaatgtatt atggatgccc cacattattt 60  
ccatgacaca aatgcaaaaa tgatgatttg gaaattctat gcaaaactgg tcatgcatgc 120  
acctatgcgg aactcaagt gtcaaatctt tatggtcatg tgatgctacg gctcaagatt 180  
catttctctt attttttagtc aaccgaatgt ttccaaaata tgttcttgta tcaatttggt 240  
cattcatccg agtccatttt gggcgctccg gaaaatnttc acagcattca ccttcatgt 300  
gtatacacat ttttcagaaa ctagatatga tcagcgaatt ttttcaaaga aaagttggaa 360  
gtcctctctt ttcaaaagca tgttggattt tcagctagac aac 403

<210> 7338

<211> 430

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7338

aagcttctcc cgcaattgtc tataaatagg gggaggagtg aagtgaatta tggttcatcc 60  
ccttaggcag ttttctctct ttcgaatttg cttggaaaaa ttgtttccgt gaagaaaatc 120  
taagccgagg cgcttccgaa acgtttccgt aacgtttccg taaggaattt cgcgaaggtt 180  
tcgaccattc ttcgacgttc ttcacccgtt cttcatcggt cttcgatctt caacgggtaa 240  
gtacctcgaa ccaagctttt cgattcattc tatgtaccg tggtaggtcca cattgtgttt 300  
cgtgtatttt tattctcatt ttatttactt tntatacccc cttttgacgt gcttaagcca 360  
ttttatttaa gtcatttctc gcttaaccta taaataaaat aaatttccac caatcgtttg 420  
aattgtatta 430

<210> 7339

<211> 451

<212> DNA

<213> Glycine max

<400> 7339

ctcagctttt atccaggctc atcttggtgg tgaagctcct tcttccatgg cttattccct 60  
agtggatggc acctcctctc acctcttctc atttgtcttc cgctgcatct ccatgggtgga 120  
aaatcaccat taaaggacct cattgaagct caaagatcca gcctccatag aagccccaca 180

agcaagcttc catcacaaga taccttggac acgcatgtat atggcaaaat agctcacaaa 240  
 atatacgtat gtttaggtag caaaatacct caaaaaaaa gagagagagc aaaaagagag 300  
 cgagcacgac aagaataaga taaaaataat aataaaaagt tgtctagcta aaaaacaaca 360  
 tgcttgtgaa aagagataat ttccaacttt tctttgaaag attatactga tcttaaccag 420  
 tttttcgaaa aataaaaatg tgtgtacata t 451

<210> 7340  
 <211> 437  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7340

tactcaagct ntacatcaga atttagtaat gatccactaa cctagaatta aaataactta 60  
 attccattaa cctaggggaat taaaagaact taatggctga gtgtaattga aattgtggca 120  
 accaaaagtc accccaaca gccatcaagt cagccaccat ttggtctcct aaaaggctta 180  
 tgccataggtt gccattagg cccttattac aacttgaact aaaccaaact aaagcccttg 240  
 tagttgattg acccaaaaca tatttttgat cagccaactt tacaaggatt gggccattat 300  
 ttagaaaaac taaacactct aaaattgaga caaagtgggtg ccatttagtc ctctccatt 360  
 tggggcatga tacaactcac aaccttggac ttttctcctt gaaacttggg cttgtattca 420  
 aatagtatgg acaacac 437

<210> 7341  
 <211> 376  
 <212> DNA  
 <213> Glycine max

<400> 7341

gatcattgca ccggccggag attctatcac tgactactga gaagaccttc cctgtgcatt 60  
 cctgactctc ggaggctctg ctgcaathtt aatcggtgc agtgctaact atgatgccg 120  
 ctccgatcct tctatactac atgacgcaca ttacttggaa ggccacatgg cactcacgta 180  
 gcggagaaaa ccatactact cggttgtgca gtagatctca ccacgtatcg atcgcgatct 240  
 gtactatcag gtctgatacc gcatatgtca tgcaactccg aataccgtcc tctcccgcat 300

actcttccgg tgccctagacc agatcctata gctgttacca tgcttacatc gggattgaca 360  
atctcaattg ctctag 376

<210> 7342  
<211> 335  
<212> DNA  
<213> Glycine max

<400> 7342

acaggatgac gcctactctc gcctatgact cggagtatgc tactgcatac gcatggagga 60  
aatcgccat tgatagacct gatagaaact cttagaatca gactccatga agctcacacc 120  
gagcgccata actttccttg aaccgcatag ctcggtccgt ccgctgataa tcaactcacc 180  
accctgtct atttacaacc gtcagccacg caactagaca ccagacgttt gagccatagt 240  
gtgccacact atcatcgcta gactcaccat agtcctgtac atcctctgac tgagcggaa 300  
cttttctca ctattatgag gcaagacacg aaata 335

<210> 7343  
<211> 474  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7343

tacttcaagc tttcanaaag cccctttcc ataactctca aggtgcatat tccttaatgc 60  
tacatgtctg tatatttcaa tttgttttga tggtttggtg ttcattcaca tttcacaaca 120  
ttgaaaagaa aatgtattgt agttagttat agagcaataa aaattgataa ttaatgcctt 180  
gttaatttct tttccaacac cttatgattt taatcatggt aatatacaac atttggacta 240  
ttatttgcaa cttaaaaacc cttgaaatat aaatcttgat tgaatgataa gacaaccaat 300  
ttttctatgt tggatcgagt ggcctcagaa taattaaggg ggggttgaat taattattcc 360  
taaaccctta caaattaaaa attactctnt taaggctntt actaaattgt taagagaatg 420  
aggagtagaa gagaaaactt aacagaaagt aaaagcgaaa attaaatgca cagc 474

<210> 7344  
<211> 371  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7344

ntgcacttgc caatngccat gatgtaatct ccttcttgac agtctctcat caagttggag 60  
tggtatcaca gcattgaact aaggtgaacg ttccaatggg atgatgggtt tgatcgctgc 120  
acataaagtg cgtgattgtg agtttctggt cccatgagtt aaactataaa gactaagaaa 180  
aatattgtct gtattttaac ggcccaaagg ataactaaac ctttcattat ttacattatg 240  
ctttttaaca actggttata tatatgtagc agtttattct aaacaatgga ctacgtgtga 300  
gatctttgaa ttctatgtaa caaatgttgt ttcacacttc tcatcagact tcatgtcgaa 360  
gatggcatgc t 371

<210> 7345  
<211> 458  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7345

ntgccttttag cgcttgtacc tcatcacttt ctccgaagc tttaacctca ttgtctctca 60  
cagtcttttag aattgggagc caatccaatc cttgtgtccg gactctcagc cacttatgat 120  
agccgccgat gatccatta ctgcttcccc taagctctct gtcctttctt catgccgat 180  
cccatgcctt gcgaactcct tggagtacc ttgcgttgtg gtcactgaaa ccccgtagca 240  
tgaaaggcgt gatgctttcg tctgatggca ctctctcat ggggtagcca tgctgtctta 300  
tggcgaggac gggattataa ttaatacaac cccttggtcc catcaaggga acatttggac 360  
atccttcgca tgaagataga atcctgatcc ttccttcctt ctagcgaggg aaccaattaa 420  
cagacgcccc tccatgctag ccaagagttg gtcccaat 458

<210> 7346  
<211> 443  
<212> DNA  
<213> Glycine max

<400> 7346

ttatcgctaa ccacagatta ccatgctgaa taatatggac aaattcgaca tccttgtctc 60  
tctcatgctc tcacaatcac atcttggctt attcaacttc caccggaatg tgagtgtgaag 120

ccattggttt gtttgcttaa ggcacctgcg ctctgagtt tttttttttt acttccaaga 180  
 tcgttcaaat tagagatttc tcgtcctaca cgttggtgag ggtgcttgaa acaaccagtt 240  
 aagcataaaa gttcaaaaag aaaaagaaaa aagcattcga ttgactgtgt tctcaagtta 300  
 aaatatagac attcgtatga cctcatttta tcattcctga taagcttgtc tttctgacac 360  
 acaactaaat tatcaacaat atcactcatt tgacttaatc tatcaaacta aaagaatcct 420  
 tcatatgttt ctcgataatc aac 443

<210> 7347  
 <211> 446  
 <212> DNA  
 <213> Glycine max

<400> 7347

agcttttctt cacaattaat gtgtctactg actaacaatt ctaaatgcaa gttcacattc 60  
 ttgtgccttc tttgtctaac atacacactt gtcctaaactc atgaaaagag acacaaattc 120  
 catcaaaatc atgcactcaa ttcaaaataa agacatacac ccatttttca caaaaagata 180  
 aaagtacttc actgccatat cattaaaact aagttaaact gttcaaaatg cttcataata 240  
 agcaaacaaa ctaccataa acaaaactaa caaaaaggaa ttaatgtact aaaaccatga 300  
 ccataataat aataataatc taaaaggcaa caacaaaaga aacacaaaat catcaggaat 360  
 atcaacattc ttgtcagtgt gagccacaat ttcttcagca gtccatccag tcagaaaagt 420  
 cataaccatc atctatgttg caagat 446

<210> 7348  
 <211> 411  
 <212> DNA  
 <213> Glycine max

<400> 7348

catcaagtgg tatctgagca caagagcttc tagtatgtgc tccttaaacc tccattaacc 60  
 tcaattgttg tttcttcatt tttatccatg tatttctca catgtcttgt gtttaattgt 120  
 gttaacatga ttcttttagaa ctccattga ttaaacttgc tatagaagct agatttgatt 180  
 ctctatgggt caaatctctt gttcttggtc ttgaaccatg aattgtgttg agtttaggtt 240  
 cctttgagtt ttgtattcct atttttttgt gtgggtgaaa cctaaaccat aaaattctta 300



caaaaacatt aaagtagagg aaaatctaaa aaatttagag tgacttggtc acctattgta 360  
gttttgtcat agaagtcatt tctatgttgg gtcgagtggc ctcagaataa t 411

<210> 7349  
<211> 483  
<212> DNA  
<213> Glycine max

<400> 7349

aagcttgtcc actcaatatt tcttcaaata tagtaagtca tatacacgtt catgatattt 60  
caagaacctc atgtttttta gttgtacatc cacccaataa agcatcaatt tattttcttc 120  
cctatttttt tattttctga ttagagaaaa aataagaaac tataggagaa tataataata 180  
ataataataa taataaaaca aagcacacaa aaagaaactt gatcgttgaa atatgatata 240  
atgattcaac aattaattac gtgtatatta atatttaatg aattattata tatagtaatc 300  
aattattata tgtaataaaa tgtaatgaaa gtcataattt cttgatgctg aatcattgta 360  
tgtaagatg atttgattgg ataacaatta aagtaattaa aaaaattcaa ttggaataat 420  
atgtctacta ttactattag catcaacatt gaataaatta aataaatatt aattgattac 480  
atg 483

<210> 7350  
<211> 471  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7350

aagcttcgct caatntgcaa agtgctggat aatatccagt ttaattaatg tacactctta 60  
gaggattaaa atgaatggct gagatcaact catcaaaact cacgatatca tttatctcat 120  
tcttttttcc tttgaacatt cacttctggg gactctagta tagctctctg ccttctatct 180  
aagcaaataa aatctttcga ttctctcat aacatctatc tattttttgt tggtatccct 240  
cgtccaaaaa aatgtcggac gcgtttcana acaaaatata acagaaaaac atgaacaaaa 300  
tgataatcta acagaaagtt aaaaaaatag aaatggtagg tttttaatga ttttcttaaa 360  
aaactaatat taaacatcaa aatttaatat tctcatttaa gatttttgaa aaagttaaga 420

catttcctta tcaattatatt ctttaaataa aaagtgtatt cacaattatt a 471

<210> 7351  
 <211> 461  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7351

taagcttacc accaagatga gcctcggata gaagcttgga tatgatgctt caatggagga 60  
 gaataaagag ggagagaaag agagaggggg gagcacgaaa ttgaaggaag aaaaaggag 120  
 agaagctgaa ctttgagttg tgtctcacia gactctcatt catcaaagt acaacaagt 180  
 ttacacatgc ttctatttat agactatgta gcttccatga gaagctgtct taagaaaact 240  
 tccttgagaa gcttctttga gaaaacttcc ttgagaagct agagcttagc tacacacacc 300  
 catctaaaaa ctaagctcac ctcttgaga agcttccttg agaagctaaa gcttagctac 360  
 acacacccat ctaaaaacta agctcgctc tttgacaaaa tacacgaaaa tacgaataa 420  
 agtccttact acagagacta ctccagaatgc cgctgaatac a 461

<210> 7352  
 <211> 444  
 <212> DNA  
 <213> Glycine max

<400> 7352

ctcaagcgtg gagaggatgc ttcgatggat gaaacgaacg agggagagat ttatagaggg 60  
 gggagcacga aattgaaaga cgaaaaaagg gagagaagtg gaactttgag ttgtgtctca 120  
 caagactttc attcatcaaa gttacaacia gtgttacaca tgtttctatt tatagactag 180  
 gtagcttcct tgagaagctc tcttaagaaa acttccttga gaagcttctt tgagaaaact 240  
 ttcttgagaa gctagagctt agctacacac acccctctca taactaagct cacctccttg 300  
 agaagatttc taaagaagct agagcttagc tacacatacc tctctaatag ctaagctcac 360  
 ctgcttgaga tgagaagcta gagcttagct acacaccctc tataatagct aagctcacc 420  
 ctatgccgaa aaacatgaaa atac 444

<210> 7353  
 <211> 451

<212> DNA  
<213> Glycine max

<400> 7353

ctcaagcttg aagagatctt caatggctac gaacaacaac gcatttcatt ttgcttcttc 60  
tttccccaat tacatatcac ataaagtcga agatacaagc tttcttttat ggcgtcaact 120  
agttaagcct attatcaaact caaacaact tcaatgattc attgctaata cgcaaattcc 180  
actttgattt ctcttttaaag aagatcatga aattggacgt gaaaatctag tttatgaggc 240  
atgggagtag cataattagg tgttattaat ttggcttcaa tgcattcttt ctacactgat 300  
tttttctcat gtgatcggtt ataatcactc ctatgaagtc taggagcaca tccatgatta 360  
cttccacaag cagagcatcg ccacaacgag tcagttgcac attcaacttc gagcaatgaa 420  
acctggaagc aagttgatgc aatagtttct a 451

<210> 7354  
<211> 457  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7354

actaagcttc taaggaagtt ttctcaagaa agcttctcaa ggaagttacc tagtctataa 60  
atagaagcat gtgtaacact tgttgtaact ntgatgaatg agagtcttgt gagacacaac 120  
tcaaagttca acttctctcc ctttttcttc cttcaatttc gtgctcccc ctctctcttt 180  
ctctccgtct ttcttttctt ccattgaaac atctctcca agcttcttat ccaaggctca 240  
tcttggtggt gaagctcctt ctcccatggc ttattcetta gtggatgacg cctcctctca 300  
cctcttctcc tttgtcttcc gttgcatttc catgggtggaa aatcaccatt aaaggacctc 360  
attgaagctc anagatccag cctccataga agccccacaa gcaagctgtc atcacatggc 420  
tccaatcaca tccaaataaa agccttaaca cttggga 457

<210> 7355  
<211> 457  
<212> DNA  
<213> Glycine max

<400> 7355



tgatcataac tcttacgtat cagtatctag attgttttct gtttaatatata actacccaaa 240  
 agatatggat cttaaatttg atcatgttga aagctcacta atggtgtatg tgaatattaa 300  
 at 302

<210> 7358  
 <211> 454  
 <212> DNA  
 <213> Glycine max  
 <400> 7358

cctgactggtt acaacttaca agttgctttc catttcttat agttgttccc cctcttatta 60  
 tgttggtttgt tttgtgaatg tttcttggtt tggttcctta gaattaattc tctctctctc 120  
 tctctcaatc ttggatcact tatctacttt gaactatfff tcttgatgc actgggacag 180  
 cataacttat gcttgatatc catgcttcag tctgagttca gtacaagttc catatctttt 240  
 tcattttata atttgctttt gggatgtgca ctacacggct ctcatctca gagctaaatg 300  
 tagcacaggc aaattttgat aaatatgagc gtgtgtactg gttgggatgt ttctcactta 360  
 tttattttgt cttcctcccc cagatatcct gctatctcta cttgttaact taacgctctc 420  
 tcttgtagtg acaaactgca aacgtaatat ttga 454

<210> 7359  
 <211> 475  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7359

gaagttagat atatgtgatt atctattcgt tatatatata tatatatata tatatatata 60  
 tatatatfff gcagtttggt aattaagact taaaggccca tgtcagtggt atatatttat 120  
 tgttttgaat tggttagtgat atgtatatta catagatttt atactattat taattaattg 180  
 atgttgaaga tgttataatg ttgttatgat atgatttttg aaaattagtt gattcagtg 240  
 atgtgtatat aggttggtgc ttgtaaatat tgctatgaat gtataaatatg atatatgagt 300  
 ataagtgaag tatgcgtgct tatgaatata tgtgaagaca atgtgtcatg gtatgtgtgt 360  
 gtgctgcgaa aaaatgtgag aagaatctac tcccccgga taggaatctn caagagatnt 420

tgaaattaaa ccatgtgcat attgtgtgtg aaccatgaat catgttgtgc atatg 475

<210> 7360  
<211> 325  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7360

agcttctata tagctgaacc actttatcaa taaacacaag ttgagtttta ttcagaanat 60  
tagagtttat ctcttttatc ttagtgagag tgattctcct aaattcttga gtgattcaag 120  
aacaccctgg ctgtatcaaa ggactttcac aacctttgtg tgttgccctc gctggaaaga 180  
gtgattcttt tcctcttttc atcttcaccc ttgttctttc aaaccacaat tccagaanat 240  
ccacctctgc ccagaattat ctctgtggcca taactcccat tntacgcact caaattaagt 300  
gattcttgac cctaaattga cttta 325

<210> 7361  
<211> 474  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7361

aagcttctgt ttaacgaaat gggtagagga ctgattatat caaagtgaat atactgttgt 60  
tttgaatatt gaagccacac aatacttcaa aagggtaaat gaataaagat ttatcacccc 120  
ttttgaatca ctttcatcgt ccctttttga ccttacatat ttgctttgac ttttacgtac 180  
gctgcagcct gttaacagtt gctactttta agcatgcatg gctatggcca actaaatcaa 240  
ttcatttcag atatcattgg aatgaatggc acgattatgt caccatttac tgtatttaca 300  
aggatatggc aaatgcaaaa caatggcact gtgtggccaa aggggaactc gttggatggg 360  
aaaaaacagg tttagtact cttagttgaa aggttcaaca tttatgactn tctatgtaga 420  
ttctgtttgc atgttacaga ataatgggtat gctacgctct tgaaattgag tact 474

<210> 7362  
<211> 436  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
 <400> 7362

tatagagtag tagtagaatg acctttgttt atatatatat tttggtcaaa ttattaatta 60  
 ataaaaattc ttcaatatat ccttctcacg ttgaagatag gacattttta acagaaaatt 120  
 tactaacatc ctgtagactc ctttttctta taccatccta tagactctta tacaacttta 180  
 aaacttagat tttagccaaa ctcaacttac aaagtaccct attatcccta atatgtacat 240  
 cctttaagta taaatttgct cttttaaaga gagaagcatc tcgaaaatta gtcttctctc 300  
 attattgata ntcttatttt aacttttaca tttaatcttg tacgatcagc aacttaagga 360  
 atagtcataa caagcgagaa gtacacgtgt ntcttttctt ttgttccgat tctcactttc 420  
 ataaatttat tgtatc 436

<210> 7363  
 <211> 401  
 <212> DNA  
 <213> Glycine max

<400> 7363  
 aatgaaaagt caatggacgc agaagctttg ggtgaaaggg ttcctcaa atcaaaagca 60  
 gactctagtc cttttgattg tgattctgac aaatcccttt atgaggaaga agaagcccc 120  
 aagtctggtc aacacgtgga gtttaccttc cacgggtcac acaccctcc ttatggatat 180  
 tcagaagccc acaatcatat tgggccttcc actattaaca cccacaagc ccatgtgaac 240  
 gaaactcatc agcagcatca ggagatatcc taggggtctac aagtgtatac aacaaagaag 300  
 tggttcacia gaaagaagcc cacaagactc tctcacagag ttgaactctg ctctattaca 360  
 aaaagaaaaa gaagctatta ctgagagaca gcgtgaactt c 401

<210> 7364  
 <211> 76  
 <212> DNA  
 <213> Glycine max

<400> 7364  
 cgagaagttc cgacgtgcca ttgcccgcgt gcctatgatt gctgaccaat attccgacct 60  
 ctacgcggaa agagat 76

<210> 7365  
 <211> 402  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 7365  
  
 atctaaagac tgaagcataa acataaatct aaagactgaa gcataaacat aaaatctaaa 60  
 ttataaaatg tactaagaca ttgatattat taaactgggc aaaacacaag gaattaaaaa 120  
 ttcttattct tgccattaat cttttccaaa gtttttggct tcttatttca aatcacatcc 180  
 aggagtgcct gatgatgaat cctgaggaag gggtaggtct ggcactgggtg cagatgactc 240  
 aggctgagaa gaagacatgt ccagcactgt agtggaaggc tctgggtgtca cttgtgggggt 300  
 agctgctact agataagtct aaaaaatgaa aggctcgggt ggagtgggct ctgaggcctc 360  
 tagaatgtca tctcctant ttggcagagg ctcttgggat gt 402

<210> 7366  
 <211> 462  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 7366  
  
 tactcaagcc ttgaccaaac ccncagcagc agttgtttcc ttagagactt gcctcgacac 60  
 cttgtctctg agactgagga taattgcatt gtgtgccttc tgcagtagtg ttttcttacc 120  
 cccatcagcc atcatctttt caagtttggc ttctccatct agtgcttcca ccaggccctg 180  
 ttggacaaga agagctctca ttttcaattg ccatagcccg aaatcatttt gccctgtgaa 240  
 tatttcaacc tcgtacttgg gcgagcccat ttcttgaatc gaactcaaaa aatcgctcca 300  
 cgctcaccac accaatttgt tgtaccaaga tcaaatttta cttcacaaaa gaatgagttt 360  
 cttgtatgaa caagaataag caaaatgcag aaaagaaaaa aaaatgaacg aacactgcac 420  
 tgtgctcaca acagccactc tattcaatct ctacataatt tc 462

<210> 7367  
 <211> 382  
 <212> DNA  
 <213> Glycine max  
  
 <400> 7367



cttgacttga gtcataaaga gattatttat atgtgcccac ggcatgagtt tcataaatca 60  
 tccttcaaca tctttatcac tatcaatcat ctttgaatca tctatctttc aatctttttt 120  
 aacatcatct ctcaaacatc tttcaatgaa tctttcaata tctttctata gaattttttg 180  
 attcatttct cttcatcttt ctaaaagttt tttatcaaca ctttctcttc caagaaaagt 240  
 tctttgtaa aaaacttggtg ttattcatct ttttcattct cttctccctt tgccaaaaga 300  
 acgaaggact aaccgcctga attcttttgt gtctctcttc tcccttacia aagattccac 360  
 ggactaaccg cctgagaatt ct 382

<210> 7368  
 <211> 326  
 <212> DNA  
 <213> Glycine max

<400> 7368  
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 ttaaccctgt tgaaacttat tgtttcattc aagcatatgc aaattgctag ttctaaatga 120  
 acttgttccc ttctctattg tctctgaatc aacgcctatt ttggacttat atcaccttgc 180  
 atatggtgga tgacgacatg atgctgagtc atcttgaaaa tgggaattat ccttttttat 240  
 gtgagctttt ctggttgatc acttattttt gtcttaatct ctatttgtaa cctcaaaaata 300  
 gattggtata aagcatatgc gtattt 326

<210> 7369  
 <211> 408  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7369

acactatacc actactcagc ttagtgacat ccgtgacttg atcttgagcg aagttgttcg 60  
 caatatagat tcangagaat cttccagtca tgtttccaat tcagcattga atactgaagg 120  
 cacgggaagg actaccata atggtcagaa tggctgacgc agatcaaagt caagagggaa 180  
 aggtcagaga aaatttcaaa gtgacgttac ttgttggaat tgtgacaaga gaggtcactg 240  
 tagcaatcac tgcaaggcac caaagaagaa catgtcgcac aataacaaga agcgcgatga 300

tgatgaatcc gcaaatgcag caactgatga acttgatgat gcattaatct gcagnttgga 360  
tagtcctggt gattcatgga tcatggactc aggtgccgtc gtccacac 408

<210> 7370  
<211> 115  
<212> DNA  
<213> Glycine max

<400> 7370

gctagcagag ggatgtcata tatgtggatg aacacatgag tcagacttat gcatggttca 60  
agatgacaca cccaatgaag ataactacat gggctgtcat aatcatcaag gatct 115

<210> 7371  
<211> 334  
<212> DNA  
<213> Glycine max

<400> 7371

cactattgat gctgcaattg agtgaagaga tctggctatt gcaagaacga gtttcgttat 60  
tacagagagc tatcacgata cacaacgagc ccacgctggt gtttggttact tatatttaaat 120  
atgttaaatt acttatttat tcttataatt tcgttctttg tatttttttaa tttcaatagt 180  
taataatgta attttcttaa atacttatag tttaaaaata tttttctaata tctgaccatc 240  
tgcattctaa ttcttttcta cctcatatcg cttaaaatta atcttttttaa ttcataataat 300  
ttcgatttta atcatcttta atccctgtcc aaaa 334

<210> 7372  
<211> 134  
<212> DNA  
<213> Glycine max

<400> 7372

gcttagctga attcagatcg aattgaagtt acgctttgct catctcttgg ccagcttagt 60  
agaccatatc attctcagat gcaagggttg cgcgctaacc gcttgagact cgtggcttag 120  
cgcatgaaca gata 134

<210> 7373  
<211> 443  
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7373

aagcttgtaa tcttnttgca cttgtttggg ctctgattnt tgtattttga tcaagtgttt 60  
tctttttctt acattaatac attagtcttt tgctatcagg agacctcctg acattgttct 120  
ttcttggaac aattattatt gcttctctaa atcaatcaca ttcattagat tatagtcggt 180  
atccttattt tctttgaaga aaagacagcg tgcgccttta ggctttcaat gtgaacatat 240  
tcaaaatgaa ttgaatgaat ctttgtgtga ttgatcaaag acatttccat atctaattaa 300  
tcctttntgt tttggatatgt ataattgaaa atctaaccac gaaattaaga aaatggacaa 360  
ataacatcac ctaactgatg acaatcgtgc atgccatttc ctactttatt tcatatcact 420  
aagccccact ccatatagac aaa 443

<210> 7374

<211> 431

<212> DNA

<213> Glycine max

<400> 7374

gcttgactat caaaattatc ttacgagcaa gaaaactctc ttctcaaact tgggaatatt 60  
taaaataata atgagcacia gaggtttact atgagaagct gcttctcaa agtagtttgt 120  
aaatacacag gttctgatgt actacaaaaa ttgctactat tcaagcccat atgaaactca 180  
aaaatagacc aaattgaata gataaaaatc caaagagcat agaacgaagc atgggtcaatt 240  
ggtcatgact catcatgact atgtgatagt ttatgaatcc attctgttga gtaatgtaat 300  
gaccttcca atatcttggg caacatatac acgaactttg aatttattga gcagggtgtcc 360  
gagtcattat gaatctctcg ataactggct tttgatgtct atataccaaa caaaaatata 420  
tagaactttt g 431

<210> 7375

<211> 429

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7375



gtaactttac gaatttcgaa atgatactta ttttccttcc gcgaggatac gaatccttac 240  
 ggattatgta tttactcttt gttggctatc aacaaactat ccgaagctca cggattgctc 300  
 agaaacactt cttttctatt atgacacctt cctg 334

<210> 7378  
 <211> 196  
 <212> DNA  
 <213> Glycine max

<400> 7378

gcttaaagag ggtgcttcaa tgtttgacaa gaaagagaga acggtttatt acgaacatgt 60  
 acgaactaaa gagggagaga agtggaactc tgaagtgcgt ctcataagac tgtcattcat 120  
 catagttaca acaagtggta cacatgcttc tatttataga ctaggtagct tcgttgagaa 180  
 actttgttga gaaaac 196

<210> 7379  
 <211> 386  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7379

gcatgcaagc ttgcagacta tacctccaac cgaacactgt tgtgtttcta tctcggccca 60  
 agtttattac gggctgtagc accggtttcg cttccctagc cgtattggag gcggtcaccg 120  
 tggcattatc ctctatagtt ttctggagtt ntagcatggc ctccatgata gaagccattt 180  
 gatcttttaa ggctgatagg tcggccttca tctgttcttg cacgccctct tcattatcca 240  
 tttttctgga tcgagtgtta taggggtgcc tttgcgcttt cttagttatg gtgagttccc 300  
 taaagaaaca aacaacgggtg agtatgccat caaaacatga atatgcaa atgaatgatcgg 360  
 agcacttgga tccacctcag ggTTTT 386

<210> 7380  
 <211> 432  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7380

ntctaattggg cctaagtggg cccaagggtt gaggaatgcc cctaaattga ccatnttgcc 60  
 cccatgttgt gtattttgcc cctacagatt gtgcgacaat tggctttaag cagctcaact 120  
 cagctagcaa aaatccacat gttgacaaac attcgttccc ggacgaaatt agggcatgac 180  
 acccactaac ccacatacca catcttcagt acgtgccac tccttgggtg acatgtatgc 240  
 aagagtaaca agcgtgcat gcacttgcc atgataaaag gcaaacgaaa cgcttgtctn 300  
 caatgtgttc ttcaacggtc aaaaaagggc ataantgtca aatgcangga ctccaccac 360  
 ttgacacgtc tgactctacc tgcanagcga anaccgtatc cacctggaca acttaataga 420  
 agtagcacgg at 432

<210> 7381  
 <211> 269  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7381

ctgcangcat gcaagcttgc ttctacaatc aagaatgata tgaatgttct aattctgata 60  
 ataacaatca ctgagtggat aatgttattg attagaggaa gctaattgaa gccaccagga 120  
 aagaccatta cccgcttccc ttcatggatc aaatgcttga gagacttgca gggcaatctt 180  
 tctattattt tttagatgga tttcgggct ataatcaa atgcagtggat ccttaggacc 240  
 aagataagat agctntcaca tgccccctc 269

<210> 7382  
 <211> 279  
 <212> DNA  
 <213> Glycine max  
 <400> 7382

cttctatgac tatgtcttat tctctctaac tttggatagc tgattaataa tctgattctg 60  
 actgtcaaca tttcaacatt tcaatagttg aatgatcaat tatgtttatc acgtgaaaga 120  
 cgtatcgtct atgcataaag atataacgat gaccctaaca tcattgaaat tccaacaaca 180  
 ctagacccta ctttgagaaa gatatggcaa gccacatttg ctttgatcca tagatatcca 240  
 agacaggtat accaatgcgt ctaacacatc ttatgtacc 279

<210> 7383  
 <211> 462  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 7383

tgacgcatgc aagcttatta aggtgtagag atatgagata cgttnttgnt tctcaaagca 60  
 caacactaat tgtgtttata agaatactat taaatcttat tgctatcatc gatagccagc 120  
 agacatatgt atatttttgg aaccatactc attgcttctc taagtccagc acattttctta 180  
 catcatcgtc ggtatcctga tttcctttgc ataaaagaca gccggcgctc tcaggctctc 240  
 aatgtgaaca tactcacatc gacttgaatg aaacgccgtg tgaccgatca acgacanctc 300  
 cacatccact taatcctctt cgcgaccgca tgtctcatca gccactatca ccaactccaac 360  
 tctactggcc acttcaacct ctctcaccga ccgtcctctc ctcgctaata caactctatc 420  
 cactcctctc cctccttgac acaacctgag atgagtctct cc 462

<210> 7384  
 <211> 360  
 <212> DNA  
 <213> Glycine max  
  
 <400> 7384

gcatgcaagc ttgtagaatg gctagacatg atacacgtca tggtttggtt tggttcaagg 60  
 ataaaagggg tgcaccacat tatttccatg acacaaatgc aaaaatgatg atttggaaat 120  
 tttatgcaaa actggtcatg catgcaccta tgtggacact caaatgtcaa atttttatgg 180  
 tcatgtgatg ctaaggctca agattcattt cctctatttt aatcaacca atgtttccaa 240  
 aatatgttct tttatcaatt tgtacattca tccgagtcca tttcgggcgt ccggggaaaa 300  
 cttcacagca ttcacccttc aggtgtatac acatcttttc aaaaactagt tatgatcagt 360

<210> 7385  
 <211> 435  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 7385

taagctggga gaaaagcttg aagatgtttc atcttttaca ttcccaactc ttttgagtgg 60

catttggtatt ggttggtata ttgaatggtg catcttagtc catatcatat attttgtgca 120  
 tcatgcatca tcatgagtaa gtgagaagaa actttctaaa gttagaaaat ttcttcagaa 180  
 ggcaaaaactc tgttttaatt tgttatagcc ttatcataat caattacata agttgtctta 240  
 agcttgcaaa gttatgtctc atatggttga tcgagtggcc tcagaataat taagaaatgg 300  
 cggttgaatt aattattcct aacactttac caattaataa ttactctttt aaggcttnta 360  
 ctcttgctcg taagagaata tggaatagac gagacactta accgaaagta aagcgaaaat 420  
 taaatgcaca gcgga 435

<210> 7386  
 <211> 125  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7386

gagaaagagt tcttgggtca agacatgaga agcaatcaag tataatgtta cttccttcac 60  
 taaagcgggtg atccatcttc acacatattt tatcaatagc cacatanaaa atctctgcac 120  
 ggtaa 125

<210> 7387  
 <211> 401  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7387

tctatggagg ctgatcttt gagcttcaat aaggctcttc aatggtgatt ttcagccatg 60  
 gagttatagc gaaagataaa ggagaagagg tgagaggagg caccatccac tagagaataa 120  
 gccatggaag aagaagcttc accaccaaaa gagtgcctta gataagaagc ttagagagga 180  
 agcttcaatg gaggaagaga atgagagaga gagagagaaa gagagagagt ggagagagaa 240  
 ttgaaggaga ataaggagag aagttgaact ctgaagtgtg tctcataagt ttctcattca 300  
 acaaagttgg gacaagtgtt acacatgttt ctatntatag cctacgtcac taacgttgtg 360  
 aatntcattt tcatttcattg tgaacctaca agggatatcc c 401



<210> 7388  
 <211> 324  
 <212> DNA  
 <213> Glycine max

<400> 7388

ctcagctttc cttatcatgt acacggatca tttttaaggc ccagcgcctt aaaatgatca 60  
 cctttcaagt aaaaagaatc gcttgattca cgcttaagac agaactacgt atgttctgat 120  
 tcctcatcga tggaggggtac gtacgagcaa aagccccgct tttgtcgacc tcaaaaaata 180  
 aaaagagata aaagttaagg tagtacaatt tccacaattc taaaaaatag gttggcgctcc 240  
 tttgagacaa acgtgagagg tgctaatacc tttctcaaac gtaaatacaa ctcccgaact 300  
 tagaattctc attctgatcg gctc 324

<210> 7389  
 <211> 296  
 <212> DNA  
 <213> Glycine max

<400> 7389

gaggtccagg aaggacaagg cagcagaagg aactatttcc gctccggagt atgattgtca 60  
 ccgcttttagg agcgcggtac accagcagcg cttcgaagcc atcaaggggt ggtcgtttct 120  
 ccgggagcga cgcgtccagc tcagggacga cgagtatact gatttccagg aggaaatatg 180  
 gcgcgggcgg tgggcaccac tggttactcc catggccaag tttgatccac aaatagtcct 240  
 tgagttttat gccaatgctc ggccaacaga ggacggcgtg cgtgacatga gacct 296

<210> 7390  
 <211> 450  
 <212> DNA  
 <213> Glycine max

<400> 7390

aagctcgctt cttaccattc caagaaacta ggtctttccg tatctatattt gtagtaccac 60  
 gagagttctt attatcagac ttgaatcctg ccagtcctt atctgagtta cgcagaagag 120  
 atatcgtaac acccctcaag tgccagacct catcatccaa agtgatctga tgaccatata 180  
 aataccgcaa accgcgaccc tgtaagaata gattgggaga tgcacacatg caaacgggtcc 240  
 acttaatgat aggtctacta gcagtcaagg gaagtatgga ataaatgata ctttgatacc 300

ttgttgatc aatagatttt cctattatat tagcactaag tgtgcaataa gcatcaaaat 360  
 agttgctgcc tgcttgatgt gtcctttctca gacctttcat aagatgattg tgtggacatg 420  
 cgccgtcaca ctgtaaaggg aattactctc 450

<210> 7391  
 <211> 314  
 <212> DNA  
 <213> Glycine max

<400> 7391

tacctcatgt actcctctaa tgactatagc tatatttctg gcgctaaact gctgcgagat 60  
 ggtagccatc ttctcaacta aatttctggc ttcagcatga gtcatgtctc caagggctcc 120  
 atcactggca gtatgtatca tacttgtttc catattactg agtccttcat acaaattattg 180  
 accaagaaac tactccgaaa tctgatggcg gcggcaactg gcacatatgt ttttaaactcg 240  
 ctcccagtag tcatacaggc tctgtccact gagttgtcta atacctgaga catctttcct 300  
 gatggctgtg gccc 314

<210> 7392  
 <211> 284  
 <212> DNA  
 <213> Glycine max

<400> 7392

tgaatgggtc gttcagtctg accatctggt tgaggatgat aagctgaact aagcttcaac 60  
 tttgtcccca aggcttcatg tagactcgtc caaaatcgcg aagtgaacct cggatccctg 120  
 tcagatacaa tactagaagg aattccatgc aaccttacta cttccttgat gtacaactcc 180  
 atgagtttct ccattctata cttcatattc actgggataa aatgagcaga tttggcgagt 240  
 cgatctacta tgaccacac tgcacatgt ccacgactag tctt 284

<210> 7393  
 <211> 376  
 <212> DNA  
 <213> Glycine max

<400> 7393

tactaagctt caggttgctc attgactcca aattgttgca aagaaggaca attatctgta 60

tggatgatctg cagaagaaca tagaccacag actcttgcaa caggtgtaga tttctgattc 120  
 atggcaagct gggttactag gttgaccaag gcatcaagtt ttccttcaag ctttttattt 180  
 ttagtagatg aagatgaatc cgtggccacc tcatggactc ctctaagaac aatagcatca 240  
 tttcttgaac tgaattgttg ggagttagaa gccatcttct caatcaaatt cctagcttca 300  
 gtacgggtca tatcaccaag agctccacca ctggtagcat caatcatact cctctccatg 360  
 ttgctaagtc cctcat 376

<210> 7394  
 <211> 203  
 <212> DNA  
 <213> Glycine max

<400> 7394

aatgtgcttt gttctaaaat ctacttatca tctaacacat catttcttgg acaaatagct 60  
 ttatactcat gaaatgaaac atgaatccac tcttcagttg tcattgttct cttattatac 120  
 actctataag ctctactatg caaagaataa ccaccgaaaa ttctctcatc tgacttagca 180  
 tgaaactacc ctaagtatcc ttt 203

<210> 7395  
 <211> 422  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7395

gactatggng taccatcac atgtggtact aggtggctgt cgggcgatgg tgcacaactt 60  
 tcttntccac atccacaatg cgcgcataat ctcaccatcc cctgttgccc acctacaact 120  
 gagctcacgt actcccacgt agcccatata ctcgtttctc tcatcacagg gtgcccacatca 180  
 gtgctcccgga gcttccacaa catccaagaa aaacaccatt cacacagcac aagctatcac 240  
 acccaagcaa aacagagcac acgcagaaaa ctctgcccac acaccaacca aaaatcacag 300  
 cttttccac tcaaagaccc cagtaacaat tcttccatc caattcgtaa ccgttggatc 360  
 acccccaaat cttactggaa gtctatagtg cataagccta cattttgacc gttgggatct 420  
 ac 422

<210> 7396  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7396

acacgacgta cataagacgg acgcgtagaca atgtatgcta ccttcctttg acagaagaca 60  
 cggtggtgcg actgagatgc acgctagcac tcgatggggg gttgatagca taattctcag 120  
 acaaacttgg agatagcttg agcgaggtag ccattatcac gcanaagggg catatattga 180  
 agcttaatgt taacgttggg gggcgtagcac aaatgtcttt gataatcacg atttctacta 240  
 cagtgattac aaataca 257

<210> 7397  
 <211> 395  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7397

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 atcatatgcc atattcatat caaatagaat gacccanagc tcaaccttta gaatattaca 120  
 atgcataagt ctccttgaaa acaatttcag aaaatcacct ttactattct agagtgaac 180  
 acaacaagca gcaagggctg ctaaggcaag gtaagagtca tcacaattaa tttttgtagt 240  
 actctgcaga ggcttcttcc acctttcaaa tgcacatggg ttgccatata atcttttggg 300  
 gctaatatca tatgagttag tttgtttcta catatatcat atacaccact ccaaactc 360  
 aacactagac ccagagtgta tgtcacttat tacta 395

<210> 7398  
 <211> 287  
 <212> DNA  
 <213> Glycine max

<400> 7398

tcaagagaca gtgcctgagc tgcttaaaaa ctccttgctt gttatgaaga tgaggggtat 60  
 actggcccag aggagtgcct tgggtggtga tagtctgtgg gaacttacat ggctacacgt 120

gaataacatt tcaccatcat tgcaacttga ggtattccct gagcaggatt ctgagcattt 180  
gcagcacaaa caggggtgaat caataagttt gctgcctgat gaaaaggggt tcgtgccttc 240  
aagtgaaaca acaatctgcg aacatgctgg cattcgttgg taactat 287

<210> 7399  
<211> 406  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 7399

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gtggatggtg cctccctct cctcttctcc ttgcttcc gctgcatctc tatggtgaaa 120  
aatcaccatt gaaggacctc attgatgctc aaagatccag cctccataga agctccacaa 180  
gcaagcttcc atcagaccct tcctttggtg attgcataaa aaaaattgga cccattccaa 240  
aatatttctc tccttttta atggctctta aagtaagaaa attggataag taatttttga 300  
aatattaaaa gtgaaaataa gtagtcttct aagtattgaa aaatgtatta aattagtcta 360  
tgcattgaaa gatggatggt cttttgcaac atanataata tgaata 406

<210> 7400  
<211> 456  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 7400

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cacagaattc agacttagcc ttccaaccct cagagcctca ctcttttttt ttactcata 120  
acaccacatt ctcaatttcc aaccctaggt taactctata ttcatctct atcagttttt 180  
cttcagcaac tttagcatac aaacatcaca cacatcatca caaaacccta aaacagaatg 240  
ggtatgtcta actcaccaa acatggcaat ttcaacaagc tttcaacaca agtcttcaca 300  
aataatcatc acacagcaga aacctagcaa gactaccat catatctccc acaaccccat 360  
acccacgaga tttaagagag agagaagtcc acccaaacct gagatttcga agtcccactc 420  
gtagccacgc acttcacgac cccgaaaatt ccctcc 456

<210> 7401  
 <211> 380  
 <212> DNA  
 <213> Glycine max

<400> 7401

caggcatgca agcttcattc ctttctcact catgtgtcca agtttttgat gccacatggt 60  
 cgaattattg atagcttcag taactgctac cttatcctca tctgcaagca tgtaaagaag 120  
 accttgcatc tttccacgag ccacaacgag attgcctttt gttaccttcc aagctccatc 180  
 accaaaagtg gtgtgatgtc cctcattatc caactgctct atagatatta aatttatctt 240  
 taaggcggga atatgtctga cattgtgcaa tgtccatagg gattcactgg aggtcttgat 300  
 gttgatatca cctcttccga caatgtcaag agactttcca tctgcaaggt aaactttccc 360  
 aaatcttcca gaaatatagc 380

<210> 7402  
 <211> 454  
 <212> DNA  
 <213> Glycine max

<400> 7402

ttctgctgtg atcagcattt tctcgggtgtg tgtgattttt gatgaccac aggatgatga 60  
 cacacgtgat gaactacagg ctcatgtgaa tctgagaaca tttcgcgaga atcccgactc 120  
 acgatcacga ttcaggactt aggaatcacg actcaagatc tcatgactcc agatcaagat 180  
 tcccgactta agatctcacg actcaagatc aagattcccg actctagatt tctagaatga 240  
 atatacgact ctatcctgat cagctagctt tttgoggact ttgaatagcg catgacgttt 300  
 tgaccacgc tttaccaaag agctcctact gcttgctaata cgataccaca ttgctgtcat 360  
 tgattacctc agctcacaga ggttgcacca gttctcacac tgaatctacc acgcttccga 420  
 tatattacac aggtcggatc gtttccatgt ttcg 454

<210> 7403  
 <211> 172  
 <212> DNA  
 <213> Glycine max

<400> 7403

tggttatgggt gcgtgtctaa gagatgaatg cttgggaggt gtatattcgg ctcgttatgc 60  
tagcacctcc atgaacgagt ggatgctaca tccagagtga gaggtagtct ggggtacatg 120  
gagcctgtgc tgagacgaat cgggcgacca ttaactgcct gtgatgagta ta 172

<210> 7404  
<211> 184  
<212> DNA  
<213> Glycine max

<400> 7404

tatcttaaac ttttttgacc atgtatttac aggttattac gctctgagtt cagcaagtca 60  
tcgtaaaact gatgatgatg atgataactt acacggagtt cttgaggcga tgatttcgcg 120  
atcctagcta atttgattgt ggtcacaaaa ggattcatca caagaggtaa gacaaactcc 180  
tatt 184

<210> 7405  
<211> 499  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 7405

cgcgcaaccn cngacanct ttgatccctc tgcganancg cgactctata taataactcaa 60  
gcttgtgaat gagggtgaaa caatgcttaa ccaccttttc ccggttaacg atccttcgac 120  
ttctggcgag gcaccctcca caagctgagg gagggatgtg atgcttcaac ttctaccagc 180  
accaagagta ttgatcatct gctgatgcct aatgatttag cacctcccaa ccatcacatt 240  
gatagccttt atatgaggag aaccactgtc acttagcctg tttggcacga tattctacag 300  
ggaagctaac catgtagcat gttttcattg ccaccatcgc agataagtgg cttggaagaa 360  
catggaccaa aatccctatc ttggaacaca ccgccaagta atgtgctcga tacattggcg 420  
attgaaaacc acctactttt agtggcttgc gagcttcacc tctactttat attttttact 480  
cttcacaaac taccgcccc 499

<210> 7406  
<211> 484  
<212> DNA  
<213> Glycine max

<210>	7407
<211>	321
<212>	DNA
<213>	Glycine max

ttatgcgcat	atttccttac	aaacgttctc	ttgcacaaga	cattctatta	accgaaaaaa	60
tgcaccata	tacaatcaag	gcagcttcgt	tacctagatt	atttacacgt	acttccaagg	120
tgtatttggt	acttacatca	cacacctcct	tggctaaact	cacatacatg	cataactcaa	180
gcattttggg	gtacaaaaaa	ttgcacatgt	gcacatcttg	gtattttctaa	tacctataca	240
tacacaaact	tcatgatgaa	tcttaactat	ctacacaata	aggtgctaca	ttttatgctc	300
ttttcaagat	ttagctacct	a				321

<210>	7408
<211>	276
<212>	DNA
<213>	Glycine max

tgcgcaatcc gtgaaattct gaatgtgtcg gaaatcgaat ttaggtgttt ttgcgcaatg 60  
cgtgagtttc cgtaacttct tcgaaagcta aaatagagta aatacataat ccgtaaggat 120



tcgtaacctt gcggaaggaa aataagtatc gttacggaat tcgtaaagtt tcgtaacggt 180  
acggaaaaag aattaccaaa aaaatagaaa ggcggggtgca tttagtaaaa aggggggggta 240  
caaatagcaa tctagccac ttgggccttc cagatc 276

<210> 7409  
<211> 430  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7409

gacttttaag ctgctctctc tacctttata aatgtgggtc taaaatattt cacaagtcac 60  
cacttactag atcttattac caataaattt tcaagacata cttgcatgcc atgtttgcaa 120  
ctttgaataa ttttttgga tctgtttctg ttactagttt tctttcaata ttaacacatg 180  
gttgacatca actagtagtt gatgacaaaa tattgcacag gaaagagata acatgtgaag 240  
aagttataaa agattgatga gccatgatga cgtcacataa aagaagaaca agtcaaaaca 300  
ttcatcatcc accanagaaa caaaaaggag gtaaaactta cccttaactt gttcatccca 360  
gcatagctta gtagccaaag tgggtttccc cattccaccc aaaccagtga gcagaacaac 420  
tgacactcca 430

<210> 7410  
<211> 450  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7410

gaatagtgtg atcaattaga ttcttgattt aattgattaa agtgtttctg atcacttctg 60  
ggaacactat caagaagcat tcccctatat gtctgcatct tgttgtaacc atctgtagtt 120  
tcatcaaact tatggactcc acctatgtct agaccagcaa cttccttcca catggaaaca 180  
tctgcgacca tatcgactcc attaacaata tagaagaggt tacgttcaag gtcaacatgt 240  
gcataagtgt agaatacttt gactagtttt atgttaaagt tctctttcat ccgcaaaagc 300  
tttgccagcc cttgaacttc cagtagattg ggaaagttaa acccttgctg agaaaacat 360  
tccaagtcca gatacttgcg aactttcatg tnttttacia cataatttaa cttgtagtcg 420

ctctctcttc cttaatctgt gaaccatgta

450

<210> 7411  
<211> 265  
<212> DNA  
<213> Glycine max

<400> 7411

ctctctcttc cgaatctgct taggaaaatc gttttcgtga acaaaatcca agccgaggcg 60  
cttccgtaac gtttccgtga gtgatttcgc gaaggttttc gaccgttctt cgacgttctt 120  
cattccgtct tcacgttctt tcaactcttta acgggtaact accttacacc aaccctttca 180  
attcatttta tgtactcgtg gtggcccaca tttggtttca tgtattttta ttctcccttt 240  
catctacttt ctataccacc ttttg 265

<210> 7412  
<211> 346  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7412

agcttagatg cagaacaaga gaggttacat ggatatataa gagatctcga gcaaaatagg 60  
tcgcgcatga tataatttaa aatgtaagtc caacattggt tttcaatata aaaccgatgt 120  
taacagaatg atgttaacgt taacatcggg tttcttcaag aaaccaatgt taactgggtca 180  
tacgttaaca tcgattntca gaaaatcgat gttaacgaac atagggttaac atcggttttc 240  
ttcaaaccgg atgttaacga agagatatta acatcggntt tggaaaaacc gatgttaaca 300  
aattaatggt aacatagggt ttacaagaac cgatgtaaac gtcact 346

<210> 7413  
<211> 446  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7413

cgcttggtga gcttctatgg aggctggatc tttgagcttc aatgaggtcc ttcaatgggtg 60  
aattttcacc atggagatgc agcggaagac aaaggagaag aggtgagagg aggcgccatc 120

cattaaggaa taagccatgg aaaaaaagag cttcaccacc aagatgagcc ttggataaga 180  
agcttggaag gatgcttcaa tggaggaaaa gaaagagga gagacagaga gaggggggag 240  
cacgaaattg aaggaagaaa aaggagaga agttgaactt tgagttgtgt ctcacaagac 300  
tctcattcat canagttaca acaagtgtta cacatgcttc tatttataga ctacgtagct 360  
tccttgagaa gctctcttga naaaactctc ttgagaagct tctctgagaa aactctcttg 420  
agaagctaga gcttagctac acacac 446

<210> 7414  
<211> 419  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7414

gaagtttggt tttacatgcc gaaatatctt tagtgtaact tgtattgagt gttatattgt 60  
gtgttgcatc ttagtatcta ttatttcata tgtgcatcat gcctcatcat gtagagtaa 120  
gaagaaatgt ttttgaagtt agaataactc ttttgaagtt aaaactcttt gttttaatag 180  
attacatggt gatcgtaatc acacaagtgt ttgtagcttg cagaanagtc cctcgatcgy 240  
gtttaatcga ttataggctt atagtaatca attacatagt tcttttttag aacaatgatg 300  
atttttcaag agtctctact ttaatcgatt accagtgata taattgatta ctctcttttt 360  
aaaagtgtgt tagaagtgat caagagcact ntaaccgatt acatcaagaa tctaattga 419

<210> 7415  
<211> 360  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7415

tttgattctt aattttggtg tacgcggaga gcttgagtta aatggtgagg cccatcccaa 60  
atggataaaa cctagaggca tactgacatt tgagaatggt gaacttgatc tatttgccac 120  
acaggatagt gtaatgtttt atttttacaa ctctgtaaa ttgtaccctg tggcagtgca 180  
gtttctacta gggtggnntn cttttgggtc gtcttggtga tttcttgaca catgttgatg 240  
ttgatacaaa ccatttcaaa atgcangtga ggctaaaacg agagcatcta aacattgcaa 300

agtttgagcc tgaatatgga ctagatccaa tgctttgatt agctttgggtt ggatctgagt 360

<210> 7416  
<211> 449  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7416

cgatgccaat gagatgacga acggctgttg acaacatttt gatatcacga aaccagcaac 60  
tggtacagta gagaagcttg gtggctagag acctgcggac gtagcgaggg tgctattgac 120  
cataatcagg cttgatcaat gcctgaccac ccctggctta gtcggtcagg gagaacgtgt 180  
gacgtaccta agcacgcgag ctctgttgg tctacagatt acaggaaaac acgaccacat 240  
agcaaggagg cttgtggtgg ctgagccact gtgaatcatt gtgtatttgt ggattgcgtg 300  
cctctgcaat caaacaacaa ggaggggtgat attactctaa cgtgttcac tcagatatgt 360  
tggtaccaag gtggttgtag tctttcatca aatcagttat cacatcatct gctctttctc 420  
tttagatctn gaatcttacc tactaacgc 449

<210> 7417  
<211> 293  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7417

catgcaagct tatgcgcata tntccttacg aacattctca tgcacaagat attctattaa 60  
ctatagaaaa atgcacccat atacaatcaa ggcagcttcg ttacctagat tatttacacg 120  
tacttccaag gtgtatttgt tacttacatc acacacatcg ccttggctaa atttacatac 180  
atgcatactc aaagcatttt ggggtaccaa aaattgcaca tgtgcacatc ttggtatttc 240  
taatacctat acatacacia acttcatgat gaatcttgac tatctacaca ata 293

<210> 7418  
<211> 248  
<212> DNA  
<213> Glycine max

<400> 7418

cttctactta tgtggcaggg ctgtggcttc ttcactttct tgtcttaacc gcgagctttg 60  
 acccccactc ttcccttccg cgatgcttct ctttacatct gcctgagtgg gcttatagcc 120  
 taaaccatac ttcccacgat ttcccttggc atttatcacg ctagttatgc cgccgtctgc 180  
 tttgactaca tccattacgg gttcgaaacc gtcceccaac ataacttgcg ccatcattac 240  
 tgctgcat 248

<210> 7419  
 <211> 429  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7419

caggcatgca agcttctagt ctcaattnta gcgtctcgat atattacca attcaatcgg 60  
 acatccgagt aaaaagttat tgtcngttga atttcctacg agcttctgtt ttcaatttgg 120  
 agcgtctcga tatattaaag gactcaaccg gacatccatg tataaagtta ttgtcaattc 180  
 atatttctta gagcttcgga ttaaaatfff gagcgtctcg atatattacg ggactcaatc 240  
 agacatccga gcaaaatggt attgtcgttt caatttgata cgagcttcta ttttcaattt 300  
 ggagaatctc tccatatatt acaacactct gtcgggcatc cgagtaaaaa gttattgtcg 360  
 tttgaattct ctaagagttt ccgttttcaa tttggagcgt ctcgatatat tacgggactc 420  
 aaccggaca 429

<210> 7420  
 <211> 460  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7420

cgaaggcaca ctggatgtgt tgggtcaactc ggtaaccag ctgttcttga atcagaaatc 60  
 tgtacctgtc gcaaggggta ggggatagtg ctgctctgct gaccacgata cagacctttg 120  
 cccttccatg cagcaacctc gagcaattga gcagcctgaa gcttatgcag gacatatata 180  
 caatagacct cctcaacctc agcagcanaa tcaaccacag cagagcaatt atgacctttc 240  
 cagcaacaga tacaactctg gatggaggaa ttaccctaac ctcagatggt ccagccctca 300

gcaacaacaa caacagcctg ctccttcctt ccaaaatgct tctggcccaa gcagaccata 360  
cattcctcca ccaatacaac aacagcaaca acctcagaga cagccaacag ttgaggcccc 420  
ttcacaacct tncctogaag aacttgtgag gccaatgact 460

<210> 7421  
<211> 319  
<212> DNA  
<213> Glycine max

<400> 7421

gcaggcatgc aagcttttaa taattggctc agcttcctcc atgtgtatag gctccccagt 60  
catggtagtc tttgaaagca aaagctgaca acttctaate tttgagctaa gctcccaggc 120  
aaggtgaaga ttatcgtgct ctttggcaat aatcacataa gacctggcca gaaccatttg 180  
ctctgctaac tgccgtgaaa aggatgttgc acttaacatt tcctcagtaa aattatatct 240  
cttggcaaaa tgttcaactc tagcatttct ctctgcaaa gtaagtaact tgctctgtaa 300  
gtaccacta cccagaggg 319

<210> 7422  
<211> 198  
<212> DNA  
<213> Glycine max

<400> 7422

gcttatectt atggcctgcc ttctggactt acttctccgt gccaccccg aagatttaag 60  
ccaagccctt acttttgagg ggcaactccc actctatgaa gactatcccg ggcaagacga 120  
tggggaagga gatactccat cttgccccct gctccacctc aaagatccat ccccgctaga 180  
actacccag ccgaacat 198

<210> 7423  
<211> 468  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7423

catgtagctn tctctagaag cttcatthaag aggctgtctc tataagcttc ctctgtggctt 60  
ctttgagaag ctttctcaag aggattcttt gagaagctag atccttatct atccacaccc 120

ctctattaac taaattaact tccttaaaaa taattacgga tgaaaataac gcaacaaata 180  
atcaaacatc aagcataatt actaataata tatatatata tatatatata tatatatata 240  
tatatatata tatatatata tatatatata tatatcgccg gggccgcact anacgcctac 300  
catctactcg cttcacctat tgactcctga atctttacca aacacccacg cctgacccac 360  
ttccttctcg aactctcctt cacctcccca ctctattcct caccgcgtctc cgactggcca 420  
cctccgcgcg tgccctttgc tcgtccctca gcgtgctgac tctcctcc 468

<210> 7424  
<211> 106  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7424

cgcatattaa gcatacccgga aactcgccaa caccgcgtga ctctantct tgtctatcgt 60  
cgcatctcac tctcttgctt gcctcctctc gatcctttac cctacc 106

<210> 7425  
<211> 186  
<212> DNA  
<213> Glycine max

<400> 7425

aaggcttggtg tatgtacaat catggccttc attatgttct catttataca tttcattcta 60  
aaattcagag attgatgcaa agattattac tccaagctag tcgttcactc acagagtaag 120  
gtcacactct caccggttct gcgttaagct tttctctctc aatcactatg tatactgact 180  
aacaat 186

<210> 7426  
<211> 335  
<212> DNA  
<213> Glycine max

<400> 7426

cgcgtctgga atgctgactc gagagatctt gacaacccac tctatttctt ttacgccatc 60  
aactcaatg cttgaggggt cgtaacatcat acaaaatggg aatccccact ataccgactc 120

aagagacagc gacaactcag gcgtaagcat ttatgccatt aggctaaatg cttgagggga 180  
 tatactccgt gcaagatgaa tatectagta agaatgactc aggagacaag gaagactcac 240  
 ccttaagcat tttatgcccaggataaaatg cctgaggggt tgtacaccag accgatatga 300  
 gtattttgga gatattgcct ctagtgagga gatga 335

<210> 7427  
 <211> 279  
 <212> DNA  
 <213> Glycine max

<400> 7427

tctagccaaa tggacttacc ttgaattaat tcctttgata tctcttttcg agccttgttt 60  
 acctttcctt gggttgaaagc tcaactacaag ccttatatga aaaaccatga tatgaccata 120  
 ttcttaccga attttgagc tttggaattg ttttggaat aagcgcgagg ggctttttgc 180  
 tctattggat aactcgttct cgtggctatg ctttatgatg tatcttgccg catacttcat 240  
 gtacattgta tattgcttaa atgttgagca tgctgaatg 279

<210> 7428  
 <211> 120  
 <212> DNA  
 <213> Glycine max

<400> 7428

ctgtggatgc ctttaaaatt taaggctgat gtcaagacat tatgtggaaa gcaaattaag 60  
 atcgtgagat ttgatcgatg tggagagtac tatggcatat acatggacaa tggacaagct 120

<210> 7429  
 <211> 162  
 <212> DNA  
 <213> Glycine max

<400> 7429

gactatacga ggtatcttcc ttgcgtatag cattatatct aagggtacc gtgtcttcta 60  
 cttgcgaact aagaaactca tcatcagtcg agatgttgaa gctgatgagt acactctttg 120  
 gaattgggat gactcaacac gcccgacaa tattcttacc cc 162

<210> 7430



<211> 238  
 <212> DNA  
 <213> Glycine max

<400> 7430

gaataataat caaatattac taaaggttac attatcattt ataagtcaaa accaaataga 60  
 atccagtcac aaaatactaa gtgccaaata ccaaaatata actaatagtc agagaatgat 120  
 aacttataaa gcatagccca atacacggct taaaataaat aataataata atctaaaact 180  
 atgaaggtgg tggaaggtcg agcaccgacc aaaataactc acatcctctt caagctga 238

<210> 7431  
 <211> 348  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7431

cgctacattg atgcatcttg gctacggaat cttcgaattg ggcacttann atttgaggc 60  
 ttaagtctgc tatcaaagga gaagatggta agaggactac cctatattaa tcaccctgat 120  
 caactctgtt aaggatgttt acttggcaag aaatttagaa tgatttttcc aaaggagtca 180  
 aactcaagag ctaagaagcc acccgagcta atacatgtta acgtctgtgg gccaatcaag 240  
 cccaagctc actacgtaaa aataaatatt tcctctttct cattgattat ntttcaagac 300  
 aaacatgcgt ctatttctta aagcacaaat cataagtctt ttccacct 348

<210> 7432  
 <211> 400  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7432

atcttaagtc gactgcagct gcagctatta ttccanaacg agttttgata atttatcatt 60  
 ataagaacaa aatatatgca tgttgaaatt tataagaatg aaatctaaca ttatatgata 120  
 taaacatatc tttaaggttt gatataatat tcataataac ctacttaaaa atatattttg 180  
 aaataataca tttaataaag acataagctt attttttaaat aaacttaact ataaaattta 240  
 gtctaccgct ttatataaat caacatgatt aacatttttaa aaaataaata catgtaagat 300

tttaatgtat tatatcaa at ttaatatat aataacacta ataatgaata tttatttatg 360  
aactttttaa taaatgatct tggtaagtct aaaaaagttt 400

<210> 7433  
<211> 458  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 7433

ntcaacaacc tccttctatt ctcttggagc tcgagcacia tatttnttaa gtactgtcta 60  
ttgttacaac agtatcattc gtctgggtgc tatccaccta tattctaaag aaagggtactt 120  
tcatgctaac aagctggcac attgttgtgc ccataccaca ctttgttatt ctcggcggga 180  
ttctatctca cctcttcgtt aagcatgact ctgttacgaa tcaaattctc tctcctgcgt 240  
acaagctttc gtatcttatt ttgaggggtct tgggctgac cttncatctc gctactgtcg 300  
tctctctcct cacacctcac acttcatacc aaaccacgca cacacacgct cggttgcgct 360  
ccccacgcaa accgcgcact gtccttctcc gcgcgcataa ctctcgatc atcatgttcg 420  
catccgcagc gatctgactc tctcggcatt ctctaccg 458

<210> 7434  
<211> 395  
<212> DNA  
<213> Glycine max  
<400> 7434

agcttcatgc ttaagtatgt atgggttaa ac ttcattacta ttgttcaaga catactagtg 60  
agcttgaat aaatcttcta gacttggagt gatcacatgc agtcctcttg aacccttacc 120  
accactctg tcatcatgcc gagactcagg aaggccaata gggttagcct tctcaatgta 180  
ttctgaacaa aatttaatgg cttcttctgc aatgtacctc tcaataatag atgcttctgg 240  
acgataaaga ttctttatat acccttttaa gatcttcatg tatcgctcaa ccgggtacat 300  
ccacctcaaa taaacaggac cataacattt gatttctctg accagatgca caatcaagtg 360  
aatcatgatg tcaaagaaag caaggggaaa ataca 395

<210> 7435  
<211> 358

<212> DNA  
 <213> Glycine max  
 <400> 7435

tcatectcct cacgctttgt ttaaccggcg aacacttagg atttagaggt aatctgtggt 60  
 gtacgatgtc cgaactcaaa ccgggcatat cttggtatga ccaggcaaag atgtcttgat 120  
 agtttttttag cagggccatc atttcttcat ggatgggtgc gatcataccc gtgcctatct 180  
 ttacttcctt tttcccaacta ttggttccta agtccactag ttccgtctct tcttgatgac 240  
 ggcccatctc ttctgtcctat gggcaactat attcccaact ctggggaagc cccaccccca 300  
 tcctcttact ttccccgac ccgttcttgc tcgcaccacg gcggttccac tataacct 358

<210> 7436  
 <211> 421  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7436

aggcatgcaa gcttctactt cagtggaatt agggtttgtg ccatgtcaaa gaagatgaga 60  
 cgcaggattg gcaaaaggcc atgcttgaag gattcgcgcc ttgngtgaat catggtgggt 120  
 gggtccttg ccaatgaaga tggcatgcac gacaaaggag gtcgaggagc taggaggggg 180  
 aaaagtctac ggggaagagg tggtaggtgg cggaaatgga agatgaaagg acggaggagg 240  
 agaattctca atgtttgatt tatatattta tttactttaa ttgattctaa caatttttta 300  
 ctgtcagaga atttaaatat gattttgaaa caaataccga cgaattttta agctgtcaca 360  
 aattgcgcta tcaaataattt aatgaacaca tcactactta acgtgacgac agaattctaaa 420  
 a 421

<210> 7437  
 <211> 452  
 <212> DNA  
 <213> Glycine max

<400> 7437

tgaaatgcaa atttgtgttg agagtatgga ctgagattca tatctttgca tgtctacggt 60  
 ttctagagag agacagggtcc aagttccaga gagttttgag agatcttgct gtgtgaagat 120

ctgcagagac cagagcttga agcaggagct ggtttaagag cttgagatga gtctgtaagt 180  
gattgtgaga tcctagaggt gaaggagaca tcctcaccac ttgtattttt gcaatctttc 240  
atcttgttct tctcttttgg gctaagaagg cttcctggta tggaaagcta aatcctctat 300  
tggatcttcc ctgtaggtac ctaatgtaaa tatatttcta tctatttaat gatgtcttgt 360  
gtgttctctg tgctatctgc ctttcattcc agtatgtcta tatcttgatc acgtagatgc 420  
atgcttttgt acggtcattc aacagtggaa ac 452

<210> 7438  
<211> 189  
<212> DNA  
<213> Glycine max

<400> 7438

catgcaagct tgtaattgat aactgaagct ctgagcacat tcatacgaca ataacttcta 60  
tctctgatgt ccgattgagc cctttaatat atcgagacgc ttgaatatga aaacgcaagc 120  
tctaagaaaa gcaaacgaca atatctctat actcggatgt tcgattgagc cctataatat 180  
atcgagacg 189

<210> 7439  
<211> 371  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7439

ggcatgcaag cttctaccac tggattttaa tctatnttta tcttagaaaa taaataagaa 60  
aattgtccac cggtttacca acttctctta tgctatttgc ctaatcctaa atttctgatt 120  
tcttttaaaa aattacacca tactatatgt acagtatatg attgggtaag aaaaaataat 180  
ttagactaaa caaacgtatg tatagtatta cgatttaatc aacttaatca tagattattg 240  
gtcaaaggat gcacttattc acacacaaga aatactatta tgattgaaac ttacttaata 300  
ttcacataaa tatttaaaaa ggaatttatg actctgaaag ttaatcttca tcgtctattt 360  
ttatatccta t 371

<210> 7440  
<211> 177

<212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7440

tgcaatgtat tgctcgacaa ggacatgaat gctngttggt tatcttgggc ttgcaaggct 60  
 gcatcaccat gaacatgtgg ctgacacaac aagagtata gggactctgg ggtacatggc 120  
 acctgaactt gtccgaatcg ggcgaccatc agctgcatgt gatgtgtata gtttcgg 177

<210> 7441  
 <211> 359  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7441

atcttctata taatctgaac tattntatca atattcacia gttgagtttt attcagaana 60  
 ttagagttta tctcttttat cttagagaga gtgattctcc taaattcttg agtgattcaa 120  
 gaacaccctg gctgtgtcaa aggactttta caacctttgt gtgttgccct cactggaaag 180  
 agtgattctt tcttctcttt catcttcacc cttgttcttt caaaccacaa ttccagaaaa 240  
 tccacctctg cccagaatta tctcgtggcc ataactccca ttttacgtac tcaaattaag 300  
 tgattcttga gcctaaattg actttcaaaa cgagaccttt cacctcgttt tggaatcac 359

<210> 7442  
 <211> 158  
 <212> DNA  
 <213> Glycine max

<400> 7442  
 gcttcttccc gttcgtcgtc atgcagggtg tcaacatctt cattaagcct ctgtctcatg 60  
 ctctatcttc aggctgatat tccaagctgt gaatgatgaa catgcagtcc cagcttgagg 120  
 cggctctcag tcgaagccta cgtacgctgg ataataca 158

<210> 7443  
 <211> 264  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations

<400> 7443

ttcttattgg attataacaa cgcccagaat ntattcttct tcttattttc gcatacaaat 60  
tattttatca ctaaattgat catctctcta acgactgaag agatcaatac aatatatatt 120  
tacgtattta tctgagacct gtcgtgatat ttgtttaaac aatgtacatc tatatatatt 180  
taagagtaca tagaaaaata ataggacttt aaatttaagc catcttcttg ctctgttcag 240  
cacctttaat ttcaaaatca attt 264

<210> 7444

<211> 623

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7444

ctccgcctcg acgtcgcgng cgcgccatac acccgcatcc tgacacatgt cgntatnata 60  
tnnnnnnnnn nnaagggacg cgctagtggg ngcatngnag gaggccgncc gttttgaaac 120  
cactctgcac nccccncnca cncacgcccg cccatttgaa acccttcgan anncncntt 180  
ntataccgaa ctcaagctct tctctctcct tcgcaaccgc acaatcgaag aagcacggct 240  
ctctactcc caccacgca gctctctaaa ctcaactggc ccagctgctt ggccccctcaa 300  
ctctcttacc agaacacact ctcttctctc acgtgcgtcc aggccatcac tatgtgccgc 360  
ccgaatgagc gtcaacttac cgccctgacg ccacctgtct caactccctc gtcgtcttcc 420  
ggcaaccaca cactctatgt cgctccctc ctctgctcca gctcacctcc cccaccgtaa 480  
gaccgcaca ctgtcgtcgc ccgcctcgct tctccctga cctccacgat ggccccatcg 540  
aggcctctgc gacagcacta naaaatttaa aacaccttat tctcacaaga tctaacactt 600  
agaagtacaa ctgaaaacta ccg 623

<210> 7445

<211> 435

<212> DNA

<213> Glycine max

<400> 7445

gcttgtattg tgtgagcttg ttgtagcatg ttatgtttgc tgttattttt taattctttg 60  
accctttgaa tggccaaact ggattttgat gtcttcatga gagttgtaga gaattctatc 120

cttgacattt aggtactggg cttatgtcat ttggaccaat aacacataat aaatcttcaa 180  
 agcattgcac ttacgttata ttgtaaggat aaaataacat ctttatcttc atgatcagtt 240  
 tcttccaaga tccaaacctt attagccctt aacttcttca tgaaagatgt atatcttttt 300  
 cttagatttc cacatcaatt gagataatat caaatacact tttgtagctt aagcagtcta 360  
 ctaattacta ctacacacat atcaagttgt ctaggcaaac caacgtctgc aacttttaggc 420  
 ttaattttat ccatg 435

<210> 7446  
 <211> 455  
 <212> DNA  
 <213> Glycine max

<400> 7446

taagataatc atgcttcggt gtccctatatt ggtgccttct taatcacaga tttgtaagtt 60  
 gtaattcttt gatttcgggtg ttttcgcctt taattaatta attgtttttt tagtactttg 120  
 taagatagta gcatgatgtg ctgctagctg ttgcctatta gatagtgaac tacattcttt 180  
 gccgcgtatg ctttatattc tatacttata ttcggtacta aaagtcaaaa taaaggaaaa 240  
 aatatatcta catatatgtg cagtaagatg cttcagcttt cctttcattc atttattgaa 300  
 gccttaaatt gtttgaagtt tacttaaaga ttgtgaatat taattgtgat ttctgaattt 360  
 ctttctcaaa gcctcctttg gacactcata tttatttatt tgtcatttat aatattaataa 420  
 tatagactta aatatgaatt attattatga aataa 455

<210> 7447  
 <211> 240  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7447

gcttatcgta atcgattaga caattattgg gatataatga cttgttnttc aggagtctct 60  
 actttaatca attaccaggt gatgtaatcg attacttctc tctaaaaagg gtgtctgaag 120  
 tgatcaataa cactctatcg attatatcaa gaatctaatt gaacacattg ttcttgcaag 180  
 ttatgcagat ttgggaaga atactttatt cgattgaaaa gataatataa tcgatttctt 240

<210> 7448  
 <211> 498  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7448

cgcnccgggt atgagcccct tgangtgagg cccattgaga cacttgagct tacggcggtt 60  
 ttcttatgct gaaagatcca acttattcct tttctgtcag attgaccaca acattttttac 120  
 atccgtggca aagcccctat ccttggtgct aacatacacc acccaagtat aaacgatggc 180  
 ggtgatttcc aaagatctcc ccagctgatt tgtagaccat attagttgga cgcttggtca 240  
 atacatgatg cgggacctaa atgtgtccta gtgcccaatc atgatttgca cactcattta 300  
 ctcaccaatc tctcgtgat actcgccatt accaacctcg tggccccctc ctgcccttcc 360  
 ccaccttcca actacagccc atcgcaatca cccctctcct ccttctagct aaacatgcgt 420  
 ccacctcaag tgctacctcc ttcgcttgcg tccccctcct cacccgcccc cgttttcctt 480  
 ctcttcgcgc cctcaccc 498

<210> 7449  
 <211> 159  
 <212> DNA  
 <213> Glycine max

<400> 7449

tgcaagtggg agtccttcca gtgaccatct tgcggtaga gttgtctatt aaaaaggat 60  
 cctgttctgt aaccttacct tctactgga aagatgttga tggccccagt gcttaagtac 120  
 ctcaacaggt acatggaacc ttacctctct attgcgaaa 159

<210> 7450  
 <211> 346  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7450

agcttataat ttaaaaaaat caaattaatt aaaatataaa aaagcgagat attttccaca 60  
 aggctatcta ctttggtact atgtcattgt taccctatgt cggtgttact ctgcgtaata 120



ataaacattn tgtatgctat ctttttcata tttgttcaag tttgattcta cactcccacc 180  
 atatcaacca ttatcatact aaactgtttt cttctaataa tggctgcaac aacacgttcc 240  
 cttgcatcca tctacgatgt gttcctcaac ttcagagggg aagacacgcg ctatggttnt 300  
 actggcaatc tctacaaggc tctttgtgac aagggaattc atacct 346

<210> 7451  
 <211> 463  
 <212> DNA  
 <213> Glycine max

<400> 7451

ttcttaacta atcccagaac aacaggcaag taatcctcaa gagcctgcag aaggtcagtc 60  
 agtggtgaac ctctgcaga agaaatcaaa cgatgccgat gcatcaataa attagagtaa 120  
 cttattcatc ataaaatcat gttgttggtg gtaaaactaa ccatgctgag tttttctttt 180  
 tgttcttgta attgtaggac cttcttgacc agccattaca actatacgcg ttctaagagc 240  
 agacaggcgt tccactatat tcttggacaa ataatcacca agtgattgag caaaatcaac 300  
 aggttttagga atcctcaaac caggaacata tactgaaagt tcaccaatac tcccctggcc 360  
 tcttctatct caccagagtc cttcggagct gacaccacac agcccatgtc taaaggctca 420  
 ctgtatctgc tgaatgctgg cacagataag ataaagagaa tca 463

<210> 7452  
 <211> 70  
 <212> DNA  
 <213> Glycine max

<400> 7452

agcctcgaag acctttccgt gcctcgacac tcactactag ccctaaggga aaaaccatga 60  
 ttctgccata 70

<210> 7453  
 <211> 525  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7453

cgcgattgaa aacccttgga annagcggat ctttgaacct ctccactcgc actgttctat 60

cgaagactaa caacttgctt gtgcaaagct ttaacactgt catcttccta ttttccaactc 120  
 tgttgggcgg cattcggttg gccgttatat aggatgttgc acctgcgccg tattatatga 180  
 tctgcgcatac atgcataaac tcgggtcaga gagaaaaaac gtgcttgca tagaaccagc 240  
 tctcaggaat gacgacctg agagaagttg atatccacgc ctcattcattc aattacatac 300  
 ctgtctctac cccgccaccg catgttatgt atgttggatc gtgaggcacc acaataatga 360  
 aaagcggcgg gaccaacaca ctacctctaa caccttacca cgctcaaatg aatcgttatg 420  
 cgcattgcgt tatatcgacg agtgccgagg agatactacc tctgatcgg cgggccgatc 480  
 gtccttatgg tgcgcgcgg cttataccac ctgcagaat gaccg 525

<210> 7454  
 <211> 301  
 <212> DNA  
 <213> Glycine max

<400> 7454

gcatgcaagc tagcagtagt gaaagtagct ttatgtgatg ttatggatta aaaactctct 60  
 cttgcggtaa aacggcacgc ctaaagtatt catttcatac tacaagtaaa caggtatatt 120  
 cataccagca cgcaactggt tgaagctata actgcccac aacacacaag gggactcctc 180  
 cagcattaac gtgattgaag catgtgacga tgccatacac taatctgatg aattatcatg 240  
 tcgtttgaaa gctcgaggtg ctatgccctg cacctacata acacctacat tatatgctct 300  
 t 301

<210> 7455  
 <211> 600  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7455

catctcacct ccactgtcgt atgcntcac ctatttanca tattcttttc cccctcanc 60  
 ccnnnnncac cggccccgc cgattgagac cctgcnannn gcngacattt gagacgcttc 120  
 gaacnacaca ccancatgcn acagccacgc tatacacgga gacgactctt atatctacaa 180  
 agcaacgatc tatttacttg gcgtactgag tagtgcgacn cggcgcttca ctcaacacga 240

tcacaaacct cctcgcgaga taccaggaac acactacgca acactagtgt cacgtcttac 300  
 tatctgtact gacaaacatt aacccgtagc atggatagct tatgttgagc caacgcacca 360  
 ctgcatgacg attaagacta ccttacggag ctctatacag agaccagaag cttcaacgat 420  
 ccaacgaatc atcatgtcaa atccaaaagc gactcggcgc acacaaacaa cggacaccac 480  
 acgtatctcc gaatcctttt acaaaccacc aaggaactca gtcgattatt cgccctcaaa 540  
 cactaaactt aacctacccc cagataagcg cactaacggc tctggcacgc cttagccccc 600

<210> 7456  
 <211> 389  
 <212> DNA  
 <213> Glycine max

<400> 7456  
 agctttgatg caacatttgg agagtgttaa tgaatcaacg agatgatgcg ctccatgata 60  
 ggttgatca aatggagaat agagatcata atgaagaaga aaggaggaga agagggaatg 120  
 atggtgttcc tagacaaaac cgaattgatg gtattaaact caacattcct ccatttaaag 180  
 gaaagaatga tccggaggcc tacttgagga gggagatgaa aatagagcat gttttctcat 240  
 gcaacaacta tgaggaggac caaaaggtga agcttgccgc cacggagttt tccgactatg 300  
 ctcttggtg gtggaacaag ctacaaaagg agagagcaag aaatgaagag ccaatgggtg 360  
 atacatggac ggagatgaaa aagatcatg 389

<210> 7457  
 <211> 446  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7457

tatgcgcata ttcccttaca aacgttctct tgcacaagac attctattaa ccgaaaaaaa 60  
 tgcaccata tacaatcaag gcagcttcgt tacctagatt atttacacgt acttccaagg 120  
 tgtatttgtt acttacatca cacacatctc cttggctaaa ttcacataca tgcatactca 180  
 aagcattttg ggggacaaaa aattgcacat gtgcacatct tggattttct aatacctata 240  
 catacaciaa cctcatgatg aatcttgact atctacacia taaggtgcta catttcatgc 300  
 tcttttcaag tttttgctac ctaaggccgc atgcaaattc aagtatattn tccttcgctg 360

gctaaaattg gattcaaatt aaaagggata cattcttttg gtaatgtatc ttctttacat 420  
agcatgcaac atatttatgt atattt 446

<210> 7458  
<211> 349  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7458

tgcaagctta tgaagcctat ttcgcaatta nttctctttt attcgagtag catctctact 60  
atgataccag ttatgaaaac actgcacgaa ttctaaaatg ctactcttag cagaaggggc 120  
catttggaa gctcatatag caattcaatt ctaatccata tatcacgtat tttatatata 180  
ttcatattcc ccaagagact acttttcaaa tataatttga ttccatcaaa cgtatgtgaa 240  
tccacatagt aaaaatatga gagcatgtag agacaaattt gagaacagct gtggctcaac 300  
ttgcacccaa taatgagaat gactcttgag ccatactctg gggatacct 349

<210> 7459  
<211> 148  
<212> DNA  
<213> Glycine max

<400> 7459

catgcaagct tcaagaaaaa gatggcctca tcacacgccg cttgtttcag aagggaattc 60  
tattattaga cctcccatct ataatggaga gggttaccat cactgcataa gccgaatgct 120  
aaacattatt gatgctacct acctcaaa 148

<210> 7460  
<211> 354  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7460

gcatgcaagc ttgaggggtga gggtgccggt tctcggttcc gatttcgagg accgtgtcgg 60  
tggtgtttat cgcggatctc cgaaagatgg tgtccagaat tcgaggggtg atgaaaatgt 120  
gttggectct gctctttag aaacgtagag cttcttcgcc atcgccatcg ccatcccat 180

ctccatgcaa ttgccgcact gatcgtaacc tccgaggaat gaatccaact acgcgtctag 240  
 aggaccaag catgtgccac tctcatgtac antttttatg cgtttcccaa gcataagcat 300  
 agatacctag tttggttgct cctttcttcc aaggcccatc aaagcccaac tgga 354

<210> 7461  
 <211> 415  
 <212> DNA  
 <213> Glycine max

<400> 7461

ccaatatgaa taacatcttc caacaatcaa aataaatatt tattctataa tgataaaatc 60  
 attttcaatt ctttttaaaa aaaattaccc tgtatgaaat tgaaaaagtc aaatctttta 120  
 ctttacgtgt tatttcaaaa atctaataatt tctatttttc ttttgcagaa atgaaatgac 180  
 agctatacat aaataggaat gacaatgatc aagatttaca tagggtccta tagtattcct 240  
 tatataactt ttaaaatatt tattataaaa attaataaat ttatggtttg atttataaat 300  
 aaatgacata ttggaaagtg aaaaagatct ttacactatc aatagatata ttactttcta 360  
 tatttctcag aaaaggctat atatatatct atattatcac ttaatagtct ctata 415

<210> 7462  
 <211> 55  
 <212> DNA  
 <213> Glycine max

<400> 7462

cgcgctctct aagacacctg cagcagcttg ttgaagatat gggaacccat cacat 55

<210> 7463  
 <211> 527  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7463

cgccaccgca atgagccccc tcgaccccg cgctcatgaa caccctgcac nncnncnnn 60  
 nnnngcacgg acgttgagac ccttgatanan ccncatctt attgtatact caagcttgag 120  
 ctcattgttg ctgccccaca cagctcctcg caatttatct cgaccatgtt cctccttggtg 180

ggcccttatg gtttcttggt caagggctct cgcagcggcc gcgccttcct ctcgcaactt 240  
 ggagcactct ttccggatgt ttgtagccgc tgtctcgaat tcactttgcc gagggccccc 300  
 ttccgtacct ctacctcatc acctcgctat ccatcaaccg cctccccac tcgcccctct 360  
 ccccatccgc cctccccat gccccctccc cccctagcta ctctcgctc cccctcatc 420  
 ctactctc tcaactccca ccaactacccc tctctgcccg ctctctgctc cgcgcgggcc 480  
 ccaccgcct cccgccatct tcgcccctg cacctcgctc tctccgg 527

<210> 7464  
 <211> 298  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7464

aattaataat actaaaatta gatagacttg tttgaacttt aaattggtct gatatctagt 60  
 ttggatatag tttatcaaat tgcatttctt actacaccgc gataacatat attgtagtaa 120  
 ttacaatggt tgcattatta cattaattat actcgtcatt tgtgtaatat tttttataa 180  
 tgtcaaattt taccaatcta aattntatta agcagataat atttatataa aaaacagaga 240  
 caatatgtag ataattagat taatttctta agcatgttat taagagggtc ttattctg 298

<210> 7465  
 <211> 380  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7465

taagctacac agatccgttt gcatccatca atatatttgc acatttaata tcctataat 60  
 tgagaggaaa taattaggta gatacaaagc ttgtttcatg acattgcata aatgaaacaa 120  
 aaatacataa aagaatatgt tacacaaaat atgagcatac tgcacaacc taaaaaaaaac 180  
 actagccagt aaaatatcca acacttaatc ctcatgtgac atgtatggtt tatgcagttc 240  
 aagttccaaa gacaaatggt ccttatactc tacatttaga acttttgtac tttattntc 300  
 ttggggtaat tctcatctct ccttttggat ttagcgaatc attcagnctc tcaagcttaa 360  
 ccttgttcaa taccaaagaa 380

<210> 7466  
 <211> 456  
 <212> DNA  
 <213> Glycine max

<400> 7466

gctgaaagcc acattaacca atatgagcaa ctatgcatat ttatctggag gaggcgtgaa 60  
 ggttttttcta tagacgcaga tgctcgatac attagaggta atgcatgag acaatgactc 120  
 gacgatgact ttatgtcaga agagggatga tgaggctgga ttggttctca tcctagctat 180  
 caatgtttac cttaatccaa gacacgacca tacgtttgac tcggaggacg aagatgggcc 240  
 ccatatacat tcggacaact atgaattgtg gattataaca tgagggactt attagcataa 300  
 cggatgtata gatggaggct ttgttttaca ctccaaaag atcgggactg tcttgaataa 360  
 tggtgtacac ttgcaggcac ccaaacgccc attcaccttt taaatgacgt gtagatgaaa 420  
 tcactaatat cgaacaactc cctaacgact acagtg 456

<210> 7467  
 <211> 239  
 <212> DNA  
 <213> Glycine max

<400> 7467

ccacatctac aatgtttgag ttgagtcgcc actgtttcta cctcactggc taagctgcat 60  
 cctctaaaag gatcctatgc atgcacgcag atgggctaata accacgaatg ttcgctaaag 120  
 ttccatccaa tggccctttt gtgcttcttg agcaccggca acaacctctc atcttgttca 180  
 catcaatgga agcacacatg atcactggaa atttgatgca atcctacccc gcaagggca 239

<210> 7468  
 <211> 333  
 <212> DNA  
 <213> Glycine max

<400> 7468

attccctttt tgtttactct ttataacccc tgctgacgag ctttaagccat ttactttaag 60  
 tcctttctcg cttaacttaa aaataaaata aatttccacc gaacgtttga attgtattat 120  
 ccattaactt cggctaaaat aaattccgac cgttcggtag tgccgtaacc acgttggaata 180

tcaaaaagag gtaaaaaaaa tattataata ataatcatac aacatccttt atgtaaataa 240  
 agcggataat caatcggaca tttcttcttt gggatttctc attcttaatc gaattgatta 300  
 ataactaaag tgaaactaac gcttaaatca act 333

<210> 7469  
 <211> 331  
 <212> DNA  
 <213> Glycine max

<400> 7469

tggacattac ttcttctatg gacgctatat ctacgcgcat aatataatcgt tacgctcaaa 60  
 atcgaacaac ggaagctctt gagaaattca aatggtcata accctttcac tcggaggtcc 120  
 gattcatgcg cataatatat cgagacactc gaaactgaac aacggaagct ctcgagaaat 180  
 tcaaatgggtc attacttttc actcggaggt tcgactcaag cgcataatac atcgatacgc 240  
 tctacattga acaattgatg ctcttttagcc aatcaaatgg gcataacttt tccctcggag 300  
 gtctaattca ggcgcatat atacttacac g 331

<210> 7470  
 <211> 401  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7470

cttaacanaa ggcattcaaa gtgggtggaa tttctagagc atttccctta tgttatcaaa 60  
 cataaaaggg aaaaggtaat attgtagccg atgctcttcc tcggcgatcat gcattgcttt 120  
 ctatgcttga aacaaaattg attgggtcttg aatgtttgaa aagcatgtat gaaaatgatg 180  
 aaacttttgg agaaaatttt aaaaattgtg aaattttttc agaaaatggg ttcttttagac 240  
 atgaaggctt tcttttttaa gaaaacaaat tgtgtgtgcc taaatgttct actagaaatt 300  
 ngcttgtttg tgaagcacat gaaggagggt taatggggca ttttgggtcc aaaagactct 360  
 agaaacatta caagaacnat tttattggcc tcatatgaaa a 401

<210> 7471  
 <211> 451  
 <212> DNA  
 <213> Glycine max



<223> unsure at all n locations  
 <400> 7471

ttgcatcagg atcagtttca gcattctgca tgagatggcg gcttatagcc caaccaacta 60  
 tcttctctgc atctgcaata tagcaaaaat gttatatgag atatttaagc agcaaactct 120  
 taagcacata ctggtagaaa atactagtat gtgctttcga tacaagtcac aagtgttttt 180  
 gagatctttt ctactggaaa tatagagttt ttttcagtag agaagctctt aaaagagctt 240  
 ctagccttgt atccaaacag gctctaagtg tctaactctt aatgcacaag gtctcgagtc 300  
 cttcacactc caccacacaa cggctcanaa cctataaata aaattaaatg aaaacagtta 360  
 agaacatcat cacaacaatt atagtctaca cagctcaaaa tatttaacat ctttaattat 420  
 ttttntcttt agtacaccaa gtcatgaaca t 451

<210> 7472  
 <211> 306  
 <212> DNA  
 <213> Glycine max

<400> 7472

aagtttaaca acctaagtag ttttttatca ttctccatct agctctagta acaaatcatt 60  
 agatttgtgg aagtttatgg gtgcacacag aatatcttac tacttataga tgagaatgaa 120  
 actaaagctc attagtgtct ttttctctca agattttcca agtggtctga aagctatata 180  
 acatagagaa atttacaaca gaagagaact tgacggaggt aaagaatatg caattcaaaa 240  
 gcatcacatg agctcttcaa atcttctcgt atttataggc ttcttcaaca agtaaacgtt 300  
 gtcctt 306

<210> 7473  
 <211> 431  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7473

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 canaacagag caaagacaga aaactctgcc atacaccacc aaatacagct ttctcactta 120  
 aagaccccg taacaattcc ttcgttcggg ttcattaacc gttggatcga ctcgaaaatt 180

ntactggaag tctctagtagc ataagcctac attttgaccg ttgggatcta ctagcanaca 240  
 tccagaactc attctgtact actctttcca cagccaatca cacaagcatt tttctgcact 300  
 tgtgcaaaat tctgttgac aatntcacag caaaaatctg cacaaagtgc agatttcgaa 360  
 aaccacactt ncnctcatcc aatcttgccc aaatcanatc ctacaagtcc caaatcatgt 420  
 atcaatcatg t 431

<210> 7474  
 <211> 432  
 <212> DNA  
 <213> Glycine max

<400> 7474  
 ctaagcttac cataattgta ttttctttta aagaattcca ccaatttcta aagtgtctat 60  
 attcatactc cacatgtggt ggcttattga acttttctgc aatatttgcc caaccaagct 120  
 taatgaagtg gtcgtgacgt ttatttccag cattcttctt cacctcttct atgcacactt 180  
 tcaacataat ctctgtaaca gccgtaactt ttaataaata aatcagaaac taataaattc 240  
 attaataagt aagtaaaaaa aataattacg tcataaattc gcactatata aaccaaatat 300  
 taacctagag cagctgttag aaaacacatc ttgttccttt cttctttgtc taacgcacaa 360  
 gaaccctaac agaacaatca taggtggagc tttaagagca ccacataccc acaattactt 420  
 acggaacat tt 432

<210> 7475  
 <211> 357  
 <212> DNA  
 <213> Glycine max

<400> 7475  
 aggcattgcaa gcttagagcc aattcaaagc acattaactc ttttctcgga tgtctgattg 60  
 agacttttta tataacgaga tgctcgaagt taaatgttta agctctgagc caattcaaac 120  
 gacaataact ttttactcgg atgtttgatt gaggcctgtc atatatcgag aactcgaag 180  
 ttgaatgttg aagctctgag ccaattcaaa cgacaataac ttttactcgg gatgtctgat 240  
 tgagtccgc catatatcga gagctcaaa attgaatgtt gaagctctga accaattcat 300  
 acgacaataa ctttttactc ggatgtctga ttgagtctg taatatatcg agacgct 357

<210> 7476  
 <211> 389  
 <212> DNA  
 <213> Glycine max

<400> 7476

tacacattca acttcgagcg tctcgatata ttacgagtct ctatcaaaca tccgagaaaa 60  
 aagttattgt cgtttgaatt tgctcagagg ttcaacatta aatcttgagc gtctcgatat 120  
 atgacgggac tcaatcagac atccgagtag aaagttattg tcgtttgaat tagctcagag 180  
 cttcaacatt caatttcgag cgtctcgata tgtgacggga ctgaatcaga catccgagta 240  
 taaagttatt gtcgtttgaa tttgctcaga acttcaacat tcaatttcga gcgtctcgat 300  
 atatgaccgg actccatctt acatccgagt aaaaagttat ctgccgtttg aattgggtca 360  
 gagcttcaac attcaatttc gagcgtctc 389

<210> 7477  
 <211> 383  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7477

catgcaagct tgttcttagc ttcttgaact ctgaagcatt ttaacacaac caatcttaac 60  
 atcaatctac ctcaaagact aacatgaagt gacaacttgt tgaacataac aataaaatat 120  
 atgaagatgt caatgtaata gtaataggca ccatccatat cctcaaccc tgtatagcaa 180  
 aactagagtg gtattacaca cggaaacaac tcgagtgaac aagaacattt ggatggtaaa 240  
 ttattggggtt attaacaatc agcaatagtg gttatttttc tctactggaa ttngatcaaa 300  
 gcttcctcct tgaatggaac acaggtgaca tgggttgacat ctgggttcatt tctactcaga 360  
 ttttttagtat gcctatagct ttt 383

<210> 7478  
 <211> 455  
 <212> DNA  
 <213> Glycine max

<400> 7478

catgttatat	cacacatttt	atcttactat	agcatataac	ttttgctaaa	gctctattac	60
aacgtagcgc	cagtacttat	accctataag	cctatgattt	ggacagccgt	ttttgaaata	120
tactgcttgt	ctgggccgcc	ctagtcacta	gagttcatag	aatctctatt	gcaactgaaca	180
tacttgctag	actcctccac	tacactgtgg	actagatgct	atgtggacag	acctatcatt	240
gaaaatagta	tgatcgctgc	ttgcgctggt	gtgtattggg	atgactccgc	gacacgggatg	300
tatagattct	atatatacca	tctaattgaa	tcagcttaca	acatcatcgc	cacacttctg	360
tcttacacgg	ctcaactacc	taaaactcta	attattcttt	ctttaccac	ctaggccgga	420
acatcttcac	tccaactcag	ctcttagtac	catcc			455

<210>	7479
<211>	360
<212>	DNA
<213>	Glycine max

catgcagcta	ttggaaacac	tcttgtacaa	aactatttta	tcaacaaaat	gaagattttt	60
tagatgataa	aaaaccagaa	gtacctccat	tgacaaaaga	tagtcatttc	cgaacgtgag	120
gctcatcgag	gaccggctgg	tcgaagccct	atgcatgtgc	accaagatga	gcaaaatgag	180
gatgcagaca	ttagtggaag	agcctttgtg	cctcatcgat	tactggatgc	aagacacgct	240
cagggaaatc	aaggaggcca	agctcgccag	agacatgccg	gatccgttct	acaccgacac	300
cgagatcaga	ggctacctct	gcgattttct	ttcgtggcga	ggacgcatcc	actttgcact	360

```
<223>      unsure at all n locations
<400>      7480
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tccgccctac gtcacctctt cttantgtgn cactactttc cttttatctc tennnnnnnc	60
aggcctggca tgaacnnttg annngcggaa catgaaacct tgaannncna naacgataaa	120
nacatttgat accctaggat tccccggtcg tcgctgagnc ggacatnttn ttatatgtat	180
cgtcatccac cgattgagca atgagaaaga gagctgtcgt gaatctcttt actgactacc	240
tggacgaaac cttacactc gtggccttagc gacggctcat acgtgcttct cgaaaccatt	300

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<223>      unsure at all n locations
<400>      7481
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<210>	7482
<211>	387
<212>	DNA
<213>	Glycine max
<400>	7482

3194

ttgagcaagg aaagaaaggc ttgaagatat tatgatctac acattcacgt gcattcaatc 360  
 ttatattgat tctttctagc ttctgac 387

<210> 7483  
 <211> 382  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7483

gtccgctgcc atcttagacg acctgcagge atgcatttct tccacatcat ccaagcgaaa 60  
 caacattact tctgtcaagc tatcacagcc aagcanaaca gagcnaagca gaaactctgg 120  
 taacacataa ccaaattacg ttttgtactt aagaccgaga acaattatcc tccaatcgat 180  
 accgtggatg acccaaattt acagaagcat agcgcatagc tacattggac cgtgggacac 240  
 tacaccatca gaatatctgt ctacttttca agcaacaacc aatctttctg ccaagtaaag 300  
 ctgtgcccac ttaaagcaaa gtgataggca aatgaaaaca ctctttatca agtggagaac 360  
 cctaaatcaa cctgaaagag tc 382

<210> 7484  
 <211> 324  
 <212> DNA  
 <213> Glycine max

<400> 7484

agcttgtagt tatagtcagt catattcctc cattttaaat gctattatgt acactaatta 60  
 gaattatata taatagaatc ttgattcttg gaaattccat aattttgaat aacctatcaa 120  
 tatttctttt tttttttatc tctatcttct tattacatca tattacatat tataacctata 180  
 tttttctatt ttgtttaaca cgctttctat aagtattaac cagcatgctc tctttaagta 240  
 ttaactagca tttggatgtg cacaaatatt tttcctatac catattaaca cactctacga 300  
 aaaagacaac ggatgactta agtg 324

<210> 7485  
 <211> 227  
 <212> DNA  
 <213> Glycine max

<400> 7485

ggacaagtac ctaagaatat ctgttccatg agattctgaa gttttttcaa ggggtcttctc 60  
 actctaactt aggcgtctaa cttcacccgc tgttttcaat ttatccttca ggcaaccctc 120  
 gagtttcgta ttatggatag tgattatgtg cttgtaatca ggtgaacaca cctgatatgg 180  
 tttgcgggca catctacatg cactttcatt tccctcatga tgatcac 227

<210> 7486  
 <211> 212  
 <212> DNA  
 <213> Glycine max

<400> 7486

acccgtcaca tgtgttacta ggtgttgatc ggacgatggc gcaaaacaac tatcgacatc 60  
 cacaaatcac gcatgaacgc accatcccta gctgcccacc cttactgag ctacgtact 120  
 cccacgttgc cttatcctc attcctttaa caccagagcc gcatcaagct ctgcaagcaa 180  
 tacaacatcc aaacatcatg aactatcaga ac 212

<210> 7487  
 <211> 286  
 <212> DNA  
 <213> Glycine max

<400> 7487

tgtggcaggg cggacttcct tcactttctt gtcttctacg cgagctctga cactgttct 60  
 tccttcccg c gatgcttatt tcatgtccgc ctgagtgggc ttatagccta taccatactt 120  
 tccacgattt ccttgtgtat ttatcaagct aaatatgccg ccgctgtttt tcgctaaacc 180  
 catcccggt tcataaccgc tccccaacat aactcgggcc atcattaccg ctgcatcgga 240  
 cagacaaggc tgtccatata tggagttcac ggacgaaatg ctgacc 286

<210> 7488  
 <211> 432  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7488

cttgacgctt gtccttatgg ttattaatgt atgaattggt gcttttgcac ctcttccttg 60

ttttgttata tatctgtttg cattcgggat tccaattttc atcaacagtg gttaccctac 120  
 tcctcacgtg aagtggaaact tgtgggttat ccacaagctg ctgcttacc tagtttatgg 180  
 tntcactactg ttcattgtatc attctaggtg gagagaaagg ttacctggtt agtgtcctgg 240  
 attgttatat tattttatct ttaattagtt ttatgatagc atagtttatc ttctctttt 300  
 ngcagcaagg cctgcttact ataagtatgt taccattatg ttcattctga atgcaattgc 360  
 gctgtttgct cgcggcatta ctggaaacgg tgctgctttc ggattctggt tagattcttc 420  
 tattctatat ct 432

<210> 7489  
 <211> 416  
 <212> DNA  
 <213> Glycine max

<400> 7489  
 cgtaattata agagttcaat ggtcatactc tattagtacc aatttattgt ataataact 60  
 attggattag aaatctatct tttaaagtaa ttacgtttaa ttgctaattt ggtccttata 120  
 cttgcacacg atctttacat attagtctct acacctagaa gctacttggt ttcgtccgca 180  
 tgcaacactt tttaattcat tttagtacat actatcctga acggtaggta ctacaagaga 240  
 ttaaaaagtg tatgtgtaga cactaaaacc aataatttct agcgtaaaac atgaaaattg 300  
 tgtgttataa agatcaaata agttattaaa gcttgctatt atcacagaag ttaacacttt 360  
 taccatatat catgacaatt tatgatcgaa cgacaatata acaaccctta tactat 416

<210> 7490  
 <211> 385  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7490

gcttctaaag atacagattg taganaatag aaactgaaac ctctcccca tgacaattac 60  
 ttctgtttct aaagcaatgc caggaattta gagaanaatg aattggaata cactggcatt 120  
 atatatcaaa cagaaggaga aaaaagatct tanttagcat agatgactca attgtttaca 180  
 tcagcagcca ataggaaaaa caagcgatgt cttggttgct gacaagataa gatgagcatc 240  
 aatcacggta gaaagcaaaa caagcaagca aaagtgcaaa actattatga ctatcctgaa 300



aaaagatgca aaattacccc ctcccccaat ctctttaact atagcagaga ttgaaatagg 360  
 agaaacaatt actaacctct tgtca 385

<210> 7491  
 <211> 442  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7491

nggacagttc tcaccttgca agccagtttc gtgggactga gttatgccct aagcccaaatt 60  
 actaataagt acaactactt catgggttacc catccaaaca tcccttttgt agggaagggtg 120  
 ggtagtcaa ctcttgatt ctgcatgtga aagtcattaa gatgttgga tttgtatcct 180  
 aaagtatgtt aaacgagctc ctaaaaaaag cttatgtatg aagatcaggg acgagcatag 240  
 ataataagat actcataaat gccaatcagg catgctctcc tacttacaaa caatcccttt 300  
 tttgggaatt gtgtactcat tangggtaat atgatagcca ggaagaataa gaaacaaaaa 360  
 caaggtcaca agatccagtg caaaagcaga ctggcaaadc atggcttcat ctacttgcta 420  
 gctcattnga atgaaacaac tt 442

<210> 7492  
 <211> 293  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7492

gaattttttc tggctatttt cttgaagttt gncggacctt aataaaggta tattatgtgc 60  
 atgttataaa tgatgcgact tggccttggg tgaactacaa gcattatcga ttaacattag 120  
 ctattacgtt cctcattttt ctataatata cgatgatcag agtttgggtg agaatatgat 180  
 gaactacaag catttaccac ctgctactat ttcatatcag cttcttaaag agctacttca 240  
 tattttttat ttggatattc ttctgtcccc acacctgttg ataaaatgaa att 293

<210> 7493  
 <211> 268  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
<400> 7493

atcaataagc ccattntaat ttatgaaaaa caaatatttc attttctatc gtatatatat 60  
ttataaaaat ctactccgat gatatacataa ttaccagaac catgataatg atgggtgatga 120  
cgacaacaac aacgacaatc ataattatgg acgacaatag tgatgaagac aacaattata 180  
acaaggatga caatcatgat ggtgtaatag cgatggcgat cagcataaca gtgacagtga 240  
ctatccttgt ggtgggtggcg gtgatgat 268

<210> 7494  
<211> 396  
<212> DNA  
<213> Glycine max

<400> 7494

catgcaagct tgaaagtaag ggtgatggct attgttggtg tggattatgc tggggtgtgt 60  
tagtacttct gttccactaa tttggagtgc ttattgttcc actcaccttt tgtgtatata 120  
ctataatata ctatatagca cttcagctcc tcttacgcat atctatcggg ttgatttaaa 180  
gttttaaaaca ttattaagtt attaatcaaa ctcatagaat gtgccctttt cttcattccc 240  
acagctaaag tcgtggttga acttgcaaaa tccagactaa tccaagctgc cgcgctatta 300  
catccatcga ttggctctgt ggatgatatc aatgggatga attctcaata tttatgttat 360  
ttcctacatt tcatattggt tcacagaata ttactt 396

<210> 7495  
<211> 450  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7495

tcacacataa tgaattcggg cctatccaac taanataata tatataatac aaataagaaa 60  
taaaagtcta tgatcagcag ctaactttga tctcactcaa caagacaatt atctctttta 120  
aatgtccgt agtatttgcg taactgcgac tatccaattc aacccaatca aacataattg 180  
aattgggctg catatcaaga ttaaactcaa gtcaacttga actacttacc ccgataatgg 240  
ttaacctttt ttcacagctt catttttctc tgctccaaaa gacaacaaat attaaccage 300

tcaaaaaacg aaatccggcc aacttggaag tgccacagat gtctgacact tctcacatgt 360  
 tctccacgta ttccgcattc gtagctgagc gaccaattac aatacaatag atgtcaattt 420  
 tatcatcagn agcaacacac ttaaagagag 450

<210> 7496  
 <211> 430  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7496

cggcattgcaa gcttgtaaata atgtaacaag ggtactagga actnctctc acagagtga 60  
 gcgagagata acttttgtca tcatgctgat aaatccctta ttgagtatgc ttgattcgt 120  
 ctggcggccg atgattatca attcggaatt taagagtga gttctctatt atatcaataa 180  
 gagaacgccc ttgtttgttt ttctgacgcc actcgtctc atatacagta tcgatataca 240  
 actatgctta cgttggtgt gtgcacggct acacggacat atggtgttac aagttgacag 300  
 ttagatatc tctgcgaacc aattgtattg tatgtaagat ttttgcttgg tcttattctt 360  
 cttgcacact tgcttctctt tgctcgtgc actgttctc ctattctgat cagactttct 420  
 tgtttttccg 430

<210> 7497  
 <211> 586  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7497

tctctccctc tcaccttcat gccacnttca ncttcanttc atctnnngtt ttctnnnnnn 60  
 nnnennaagg gacgcgattg acncccttg catcnacgtg acacttgaga tcatttcaac 120  
 tncnacagc ttcaccttgc caggcatttc tcaggagact gattttattt cctacactcc 180  
 aatacttata tatacaacta ctccgatggt gaccgatcat ccttcctttg atggagggtg 240  
 gatacttact ctgcattct gcttgctgaa aacacattag gaagggtgca ccagcatgct 300  
 aaaccatggt aaacgatctc ctatgataac gctatgtttg actatcaccg cctagcatat 360  
 acaataacat acctcataca tgccaatcag ggctggctct ctacttacca acaataccta 420

tttttgaat tgtgtactca atacggggaa catgatcgcc acgacaaata taaaccaacc 480  
cacgtccaag atccagtgtc aagcagactg ccaaacatgg tttatcactt gttactcaat 540  
gaaagaacac ctttggacac gtcattcaga agcttgtaaa tgcccg 586

<210> 7498  
<211> 358  
<212> DNA  
<213> Glycine max

<400> 7498

catgcaagct tctcgggtca tactgggaat acctctagtt atcacccgag caacctaagg 60  
caccacacca gaggggaagct ccccaagttc caactccgaa cagactcga ccggccggtta 120  
attccaacac gacgaggaac ttccctccga ggccatttcc agaattcacc ccactcccaa 180  
tgacgtacga agatcttctg ccacccctca tcgccaatca tttggccgag gtaactcgaa 240  
ccccctttcc cgaagtggta tgaccctaac gcaacttgca agtaccatgg ggggtgtccac 300  
gggcattccg tcgaaaaatg cttggccttt aatacatggc ccacacttaa tggatgct 358

<210> 7499  
<211> 216  
<212> DNA  
<213> Glycine max

<400> 7499

agcttgttgg cataaacttt ggtgacgaaa gactattaaa ttgtaaccga cacgctcgaa 60  
gaggtaccac aatgcgggtgg cataaacgag caccgcaacc gcttccacgc caattattca 120  
caacaccaca ttatattagc aactaagcct ttgccgagaa cacgatgaaa ggatgagata 180  
cttaggttat gccaaagattg tcagaagaat gatgaa 216

<210> 7500  
<211> 380  
<212> DNA  
<213> Glycine max

<400> 7500

tgtctcagtg tttatgagc acggagacca acatgctagc tatcatcgct aagtaccaag 60  
aagagttagg tctagccacg acccagcagc atagaatcgc ggacgagtat gctcaagtat 120

acgcggaaaa agaggctaga ggaaggggtga tgcactcttt acaccaagag gcagccatgt 180  
 ggatggatcg gttcgtcttt accttgaacg ggagtcaaga actctcccg c ttgtagcca 240  
 aggccaaggc gatggcagac acctactcct gccccgaaga gattcatggg ctctcggct 300  
 attgtcagca tatgatagac ttaatggccc acataattag aaatcgtag gaaacttgta 360  
 tggctctca gaccttgact 380

<210> 7501  
 <211> 382  
 <212> DNA  
 <213> Glycine max

<400> 7501

acactgtgtt catgctctcc caacagcaca tgtataactca cgatcccaat cagacactat 60  
 gctagatggc acaccatgta atccgacaat atcactacta tacacggagg ccaacttctc 120  
 cacggaaaat atgacactaa tgggaataaa gtgagcagac ttggccagcc tgtcaacaat 180  
 aacctatata aatcaaact tttgggttta ggtaggccta caacaaaatc catacaaata 240  
 ttgcacctct tccactgggg tatctacaag ggttgaactt ccctaaagtc tctggcgttt 300  
 catcttacct ttctgacaga ctaaactatgc atacataaac tctaactcct ctctcttcat 360  
 gttaagacct tacaacagga tc 382

<210> 7502  
 <211> 384  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7502

ggacaactcc aagaccaggt tggacttctt cgggtccact atgtgtcttg caaatgcat 60  
 ccctgcaaac aatagatgaa atcagaaatt agttgagcga tgtgcatact tacctatgtc 120  
 atgatgacgt gaccttgccg aggggaaacg ggcacctgt aggactacag aggcccgtaa 180  
 ccagagctgg aaacctatg gcctgttgg acttctccgg gtccactggg tgtctttgtg 240  
 ggtgcatc ctgcaaataa tagatggtat cagaaatcag ttgaaccacc atatgtatc 300  
 ttacctatgt ctgatggca tgacctcact gngggaaacg gcacctgta agattgacag 360

aggcccgtaa ccagagctgg aaac

384

<210> 7503

<211> 377

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7503

agcttctagc caaatggact taccttgaat taattccttt gatatccctt ttgagccttg 60

tttccctttc cttgttntga agctcactac aagccttaag tgaaaaacca tgatattacc 120

atataccttaa ggaattntgg agctttggaa ttgttttggg aataagtgtg ggggggtttt 180

gtttcattgg acaacttggt ttgttgacta tgcttcatga tgtattttgn gccatacttg 240

atgtacattg tatanttggt aaatggtgga catgctgaat gaaatgttgt ttctcanagg 300

ctagtttaaa caacaataaa aaaaaaaaaat ttcgaaaaaa aaaaaaaatt cgaaaaaaa 360

agcaatagag tgagtga 377

<210> 7504

<211> 358

<212> DNA

<213> Glycine max

<400> 7504

ttaagatgag aagtcacgc ttagcaacac aactcccta taatagctaa gtcaccctt 60

atgccagaat acatgaaaat acaaaaaaaaa agtccttact acaaagacta ctcaagatgt 120

gctggaagac aaggcaaac cgtatactac tagaatggcc aaaatacaac gcccaaaaga 180

aggaaaaacc tattctaata ttacaaaga agagtggacc cacccttggc ccatgggctc 240

agaaatctac cctgagggtc atgagaactc tagggccttt tttagcagct ctagttcaat 300

cctcttgag tcttttatcc aataccctcg cgagtaggat tgcacaggt atattgca 358

<210> 7505

<211> 126

<212> DNA

<213> Glycine max

<400> 7505

atagatgtta tcgactggtg tgagggtgaga gtttgtctca aatttacctc attctaaatg 60

tcactcttta aacctagaaa acccattcga ttgacgggtg tcggacacct atattctgtg 120  
 ttgccg 126

<210> 7506  
 <211> 267  
 <212> DNA  
 <213> Glycine max

<400> 7506

actttcacaa tgaaagatta gccaaaggaa gacaccacaa gggatgatga taaccctaa 60  
 taagtccgaa cgggttcaac cttegaccta gagaatactc tcacaatata caagtatttg 120  
 tttgaaaatt caagttattt tattccatgg taatttcgtg tacatatagg caaccaacct 180  
 ttaattattc taaatgcatt ttaattcatg aaaagacacc aaggctatcg atcactaata 240  
 taaataaata aaacaaatac aacttta 267

<210> 7507  
 <211> 461  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7507

tgtaggatta tggngtatcc atcacatgtg gtactaggtg gtggtcgggc gagggatgcac 60  
 aacaattctc cacatccaca aatcacgtat aaccacccat cccctgttgc ccacctccaa 120  
 ctgagctcac gtactccac gtagccctta tccccgttcc tctcaacgtc gggccccat 180  
 caatctccc aagcttccac aacatccagg taattccaca tccaatcatc atggactaac 240  
 aaaaccaagc aaaacagagc anaggcagaa aactctgccc aaaacacaaac tcanaatcac 300  
 agcttttcac atacaaatac cctagtaaca tttccttcat tccaattcgc taaccgttgg 360  
 atcgactcga anatgttact ggaagtctct agtacataag tctacattnt gaccgttggg 420  
 atctgctaac aaacatccag aactcattct gtactactct t 461

<210> 7508  
 <211> 337  
 <212> DNA  
 <213> Glycine max

<400> 7508

catgcaagct gtatcaccat cacttagact ttgatacatt ttttaataatg acacgtaatt 60  
cgccctcacac aatgcatggg tgttcctcct acgaccatag caaaccacta atcacactaa 120  
gagtactaaa ctgactaaga cgtggtctta gaagaatcga tactctcctc ctcaaacata 180  
tactccaact acctagaag tatctggtac tctcgaact cctcggacga catgtctgca 240  
tggtctcctt gatctgttat aacctctatt acgtgcactt gctccatgtt gtatcgacaa 300  
acgttgcccc gcccatcata ctccattgga gtcaata 337

<210> 7509

<211> 302

<212> DNA

<213> Glycine max

<400> 7509

aagctctcta ttgatatcta ttcaaggaag ctacttattc tataaataga agcatgtgta 60  
acactgggtg taactttgac gaatgagagt cttgagagat acaactcaaa ggtcaagata 120  
ctctaccttt ctgcatgctt caatatcgtg cgcccccta actgtttatc tcacgtctct 180  
ttttcctcca ttgagagcac cctgtccaag catcttatcc aaagatcatc ttggtggtga 240  
agctccttct tctcatggct tattccctaa cggatggtga catctatcac ctcgcttact 300  
tt 302

<210> 7510

<211> 62

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7510

tatgcttgct tccatactgc atacattcta tntttattgt tcgcatgtga tgatcattca 60  
tg 62

<210> 7511

<211> 544

<212> DNA

<213> Glycine max

<223> unsure at all n locations



<400> 7511

gactctgata ctccttactc aagaagcgca cccttcanca tnttatcaca ntgcgcagct 60  
ttaaactctc ttaatgtgtg tgatttgaca ctccctcggg cagtagtcca ttcctgatgg 120  
catatccacc tcctcggatg aattctgcaa tgcctcctcaa agatgagaca ctagcaagct 180  
ctcttgagac tcgagatgtc cttttgatgc atnttccctt acttgaccac ttttgagcta 240  
gtagataaa tacttcgatc ctctctctgt gctttgtgaa aatgaaagaa aaaaagagaa 300  
agaatgtttt tcctgttggtg tagtaattaa tccacctcca tctatcagaa ataaaataaa 360  
atacaaaggg ttgcgataaa gatgagacaa aatttgata gctgcctata agaaatagcc 420  
accctccta ctcaaatgg aaacggtgaa ttatttaatg gatggcgaat ggaagacccc 480  
tcctcacatt ttaatggaga ccctgtgtcc tgttttattt ctctacatc tccctccacc 540  
ttct 544

<210> 7512

<211> 250

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7512

gcatctatca tacttctctc catattactg agtccttcat aaaaatgttg gagaagaagc 60  
tgttctgaaa tctgatgggtg agggcaactg gcacatagtt tcttaaactg ctcccagtag 120  
tcatacaggc tctctccact gagttgtcta atacctgaga tatctttcct gatggctgtg 180  
gtcctggaac anggaaaaaa ttttctagaa tactctctta aggtcttcca gctcgtgatg 240  
gccttgagc 250

<210> 7513

<211> 290

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7513

ccgttcggtc gtgccgtaac cacgttggaa atcaaaaaga ggtaaaaaat aatataataa 60  
tcaaaaaata tcttttttagt aaaataaagc ggaaaatcaa tcggacgttt tctctttggg 120

atttctcatt cttaatccaa ttgattaata actaagggtga aactaatgct taaatcaact 180  
 cgcctagtca agctcgtcca caaaaatagg cttttgaagt atgtcatttc atttcctcac 240  
 taagtanaat ggatcattnt aacgtccacc ctttataatg atcactctta 290

<210> 7514  
 <211> 199  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7514

tgatacaatg attaatactt aaatgaaaaa taaacatata actaatgccc caactgtccc 60  
 atgtccatac aaatttaca caagagacac ctataggaga aaagcnaatt acaacctctt 120  
 ccacgtgcct actatggtcg aatgatattg ttatttatcc atcactagca tataaatatt 180  
 ggtaagacta ttcacatcaag 199

<210> 7515  
 <211> 236  
 <212> DNA  
 <213> Glycine max

<400> 7515

caaaatgccc tcctttcgcg atttggagca gaaatgagta ccaaagggtg gagctttggt 60  
 ggggtttcaa tggagaatga gggaggagaa aatggcaacg tgagagagag agagagctgt 120  
 ctgaaaaagt gtgggggctg agtgatgaga gagaaaagct ttttggtttt aaataaaaagg 180  
 ttttctctt tttttttcta ttatttatcc aagctctgca catgtcccta ttgatt 236

<210> 7516  
 <211> 260  
 <212> DNA  
 <213> Glycine max

<400> 7516

ttcgttaacc ggtggatcga ctcaaaattt actggacgtc tctagtacat aaatatacat 60  
 tttgaccgtt gggatctact agcaaaccat aaaaactcat tctgaattac tctgtccaca 120  
 accagcaaat acatagcatg tttctgcaca aagccaaaat gctgcataag tgcagatttc 180  
 gaatatcaca ctttccctca ttcaatcttg cccaatcaaa tctacgagtc ccaaatatgt 240

ttaatcttgt taaaccaagc

260

<210> 7517

<211> 205

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7517

cttgatggat cattgcatat tgggtggtcta caccattcaa gactttcctt ggtgaattga 60

ttggcattca tgaagaggaa tctatataaa ggaaacaatc acattacatg tgtctggact 120

gatcaaaaga tttatcaaat cagatggata tagcaaaaca gtgatatatg ctgatattat 180

nttagttgat aaatatcaaa tgctt 205

<210> 7518

<211> 211

<212> DNA

<213> Glycine max

<400> 7518

catgtgatgg gtaccccata atcctacaag cttgagatga ggaagtgtag aagggtgaaa 60

cttcttgctt ttattcgta accacaaagt ggtacctgta gatatgtcgc gggggtcagg 120

agaccttggg gacgtcaggt ggggtgctat tgcccataac caagcttgac caatcccgac 180

ccaacccggg catagtcggt ctttgagacc t 211

<210> 7519

<211> 334

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7519

gaatctttct tagatattgg agaaaaaagt ctctntgtaa tctattcctt ccttttgagt 60

aatccctta gcaacaagtc ttgccttgta tctctcaatg ttgcctaag aatcccgttt 120

ggtcttaaat acccatttac atccaatgct ctttgcccca ttangcatct ctacaagggt 180

ccaaaatttg ttactgtaca tggaattcat ctcatccttc atggcatcat accataaatn 240

tgactcttta caactcatgg ctngatcaaa agtntaggat cattttcagt tacaatatat 300

agtcagattc ttacaaatat acaatataat caçt

334

<210> 7520  
<211> 156  
<212> DNA  
<213> Glycine max

<400> 7520

ttgggtggcg ttttggagaa gaggagagtg aacaattgtg tttttctcgt tgaggaacgt 60  
atttataatc tacagatctc gcttagtgat ctctgtcttg taagcaggag tccacttttc 120  
tcgctcagcg tgcaaattct cgctcagtgc aacttc 156

<210> 7521  
<211> 268  
<212> DNA  
<213> Glycine max

<400> 7521

gggcggagta ggtgtctgcc atcgcttg ccttggctaa caatcgggga agttcttgac 60  
tcccgttcaa ggtaagagca aaccgatcca tccacatggt tgctcttg tgtaaagagt 120  
cgatcacctt tctctagcc tctttttccg catatacttg ggcatactca tccgcgattc 180  
tatgctcgtg gaccgtggct agaccaact cttcttggtta cttggcgatg atagctaaca 240  
tgttggtttc tgtctcgcat agatgctg 268

<210> 7522  
<211> 216  
<212> DNA  
<213> Glycine max

<400> 7522

cagctaagcg cgtgctctc tatacttaag atgcatcatt ttagctaagc tggccagggc 60  
caggcttagc gagagttgaa gctttttctaa tctgcaggtc tcactaagca gacatactct 120  
cgcgctaagt cgagtttctg ttcaaaaaaa aaaattgggt tcaagtttga aacgtcggct 180  
aagcgcacgt gttcactaag cgagcctagt tgagaa 216

<210> 7523  
<211> 211

<212> DNA  
<213> Glycine max

<400> 7523

aaaatctgaa gatgaaggag gaagagtgtt ttcattgactt ccacatgaac attcttgaga 60  
ttgccaatgc ttgcactgcc ttgggagaga ggataacaga tgataagctg gtgagaaaga 120  
tcctcagatc cttgcctaag agatttgaca tgaaagtcac tgcaatagag gaggcccaag 180  
acatttgcaa catgagagtg gatgaactca t 211

<210> 7524  
<211> 89  
<212> DNA  
<213> Glycine max

<400> 7524

ttcaactact tgataccttt cacgtctatc ccttttaact tctttctggc cttcaacgcc 60  
tattcctttac tcctaccccg acacgttca 89

<210> 7525  
<211> 200  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7525

acatgaaggt aagctgcatg catgtgttca gaggagtgtt tttttctatc cgaaccatca 60  
aatcgtaacg tgcattctta attgtccaac ttaatgtctt gaatgcttca taggtgctag 120  
attaggtact cttgtcataa ctgcttttaa tnttgatttg ctggaacttc acaataatct 180  
gttgcatctt tggggaaaga 200

<210> 7526  
<211> 248  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7526

aaagatgaat tcaagattca agagaagaaa tcaagaagac ttcacaaggg aagtattgaa 60  
aagatttttc aaaaaacaaa catagcacag ttttgTTTTT caaaagagtt tttctcaaaa 120

ttttctaagt taccagagtt tttactctct ggtatccgat taccagtggc aaagtttgat 180  
 ttcaaaagtt ntcaactgaa tntgcaacat tccaattgat ttcaaaatgg tgtaatcgat 240  
 tacaagat 248

<210> 7527  
 <211> 156  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7527

tgggtctgta gtcacaaat gactggggat gtttaatttt gggaatgaga gctatgaagg 60  
 aagcattact gcctctaggg aaactgccat gtacatggaa ttcacaaaca aatcttctga 120  
 agtcagctnt cagcatatcc canaattctt taatga 156

<210> 7528  
 <211> 357  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7528

aacaatattt ggggtgttctt atatttaggg atagtctaag ggttgtgcca ggagtggcct 60  
 taagaatatt tgtaaactag aagtggtagg aaagaatact tggtgtaatc aagtttgatt 120  
 agtgaaccc tctactggta ggtaaaggag aactagacgt agcttagggt gagtgaacca 180  
 gtataaaatg aagtattggt gctgctattc attagcttat taaagtattt cattgtccat 240  
 tactatngca ctttgcacac aagggttttta ctgaaagaca agtntgcacc tcattggaca 300  
 cagtccacct tttgtcactg acgagggttt tataacttgt tattatacat cttcatt 357

<210> 7529  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7529

tcgattacca agtgacaang gtttgaacaa acaatcaaaa agatgtgaac tcttccaatg 60

gttntcagtt ttcttaaagg ttataactct tctaattggct ttcttgacca gacttgaaga 120  
 gtctataaaa gcaagacctt gacttgcatt ttgaaaaaaa ttcattacaa tctttgacaa 180  
 cctttacaaa caactctttc acatacatct ttacaacctt tgaatctctt tgaacttctt 240  
 cttcttcttc ttc 253

<210> 7530  
 <211> 284  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7530

cagcatgagc tagaaccagg aaatgatcac tcatatgaag ccaccatcgc tggagctggt 60  
 gattgtaaaa aaagaagatt agagacgaga tccaatgagg ttgctcatca tggaccagtg 120  
 ccagcgtcag ctgatgcact agttccagga gtggatccat cttcacctca gcacgcagca 180  
 gactcttcca ttctgtttt agagatacat gagggccaga ccataccagt tctgcctttg 240  
 gacactnttc cttcagctac tccagtatga catctaacag atga 284

<210> 7531  
 <211> 197  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7531

ccattcttgc ttccaggaa ttcatagttg gntccatcta ggattgggtg tctgttcact 60  
 ggtcctcctt ctttctccat gttcatcaga atttatctcc ctagatctca ctctgtgatt 120  
 tcgagtgttg gctctgatac caattgaaat tctgatacca ggggacagat gtcgtaccgg 180  
 atgtcagcag atcacgc 197

<210> 7532  
 <211> 107  
 <212> DNA  
 <213> Glycine max

<400> 7532

tctactttat catactttac acgcttgcca ttatgacatt ttaagcattg tgaaacgatt 60

taaagtacaa tctctctacg ttgctccaa cttaaaagaa aagaagg

107

<210> 7533  
<211> 490  
<212> DNA  
<213> Glycine max

<400> 7533

tttatgggat cttttatgcg tctgagctca ttgagatctc gtttttgttg gactcaaatg 60  
aatgagaggg actcttattt taacattagg tgtaacacaa ctggttttga atgtgggtca 120  
aatcaccttt gctctatagt ggccaaaata ttaggccaaag gtctttggga ggttggttta 180  
tcctacata taagatgttt tacgaatgtg tattacttga ctttaaaatt tgaatatatt 240  
atttctcttc ctgaaaacga cttattctct tagccctcca cctattagta aggtttgtta 300  
cctttatata tcttctttct tataatctct agcttccatt tctagtaatg tcctcattt 360  
tctggatgtt tacatttctt acttttcttt ttgctagtgc gttatgctaa ttgacgcact 420  
gtctctggcg cataagcatg tatcggtacc tatctattgt actctatata tctagataac 480  
cacttctacc 490

<210> 7534  
<211> 235  
<212> DNA  
<213> Glycine max

<400> 7534

ttatgacaca tacgtatttg cacacataaa aattttgtgt gaaacatttt acaacaccta 60  
ttcatgtaca tatttttttg accaaacctt tcaatgctac attctatata tatacacaca 120  
ttctttggaa ggcttttttt agtacctact cacaaataca catattttga aaacactctt 180  
acgtaccca tccaaacttt gtaaggcact tcacgtata tatattcata tatgc 235

<210> 7535  
<211> 182  
<212> DNA  
<213> Glycine max

<400> 7535

gtggctggac aactaccaag cagaagcgag acttgaggga caccaagagg agcaacatag 60



gaatcacaat gcagaaaaag aagagacaga gtagacgata gaggaagata gagacacatc 120  
catccaagat atgatcgaca acctccacaa gaacaagaac ccgcccagca aataaaatgg 180  
gt 182

<210> 7536  
<211> 229  
<212> DNA  
<213> Glycine max

<400> 7536

cattgtttca gaataccaca taggcctaag gccatcccct acaaccctc aactctaaca 60  
aatcaagcat aaaaaacctc aaaactgccc cacaatatg agcacattct cacaatttag 120  
agcacaaaa gatgaacaaa atgcaccaat ggaaaagcta aaaacttcag gattgaatac 180  
ttacttcgtg gagtgagtag gaatacgaac aatgaaaaca aaatgcgac 229

<210> 7537  
<211> 312  
<212> DNA  
<213> Glycine max

<400> 7537

atatgcacta atgattgatt gaaatccaat aagactcaat caaagcctaa taccacttta 60  
gtgtaattaa aacccaataa gaccactat atgactttag tgtaacatat tcatatgcaa 120  
tactgatggc ccaatcaagg ctcaatatca ctttagtgta acatatgcac taatgattca 180  
ttgaaaccca ataaagccca atcaaggact aatatatgac tttaggccaa aaadatacaa 240  
taaccaaagc ttaccattaa ttaaagtag tagtgctgt cacatttgtg cacatttaaa 300  
cacttgtttt tt 312

<210> 7538  
<211> 181  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7538

acttttgga ctttatgact tagcctcttt ttcacctgaa attgcacata tttcatcatt 60  
aaatccaatg tacatattct agagatagct ttctccataa aacaggaatt atctacacaa 120

ttcactacaa aataaccact aaatggagaa ctatacaagg tntggaaaat gttttctata 180  
c 181

<210> 7539  
<211> 158  
<212> DNA  
<213> Glycine max  
  
<400> 7539

tttaaacatt atggacttgt catggaattt ctacttatcg agagcgaatt aattgtagaa 60  
gacacttact gtctatatca cgtgaattat aatagaaagt tctgcttaca taagttctaa 120  
ccacattcaa agtaaaaaac aatttctatt atagctat 158

<210> 7540  
<211> 302  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 7540

tcttttctct taacaccggg tcccatcaa tcttcccaag ctttcccaac atcaaagtaa 60  
aacgacattc aaacagcaca agctattcac agtcaagcaa aacagagcaa aggcagaaaa 120  
ctctgtcata acaccaacca aatcacagct tttctcactt aaagactcca ataacaatgc 180  
cttcgttccg gttcattaac cgttggatcg actcgaaaat ttactggaag ctttagtaca 240  
taagcctaca ttntgaccgt gggctacta gaaacatcag aactctttaa atactctttc 300  
cc 302

<210> 7541  
<211> 276  
<212> DNA  
<213> Glycine max  
  
<400> 7541

ataaataaga taagggaaga gagaatgcaa acaccaatth atactgggtc agccacttcc 60  
cgtgcctaca tccagtactc aagcaacca cttgagattt ccactatctt tgtaaaatcc 120  
tttaciaagt ctgaaccaca cagggacaac cagtctcttg tgttcagatg ctttacaaca 180

agagacttac agtctcttaa ccaatctcat tgaataagaa gaatggaaga agaattctct 240  
tcttcagaga agaatattac aatgaagatc atgtaa 276

<210> 7542  
<211> 169  
<212> DNA  
<213> Glycine max

<400> 7542

ccttggaac ttatcaggct agttatgccg ccgttggtct tgcctaaacc catcccgggt 60  
tataaccgtt ctccaacata acccgggcca tctataccgc tgaattcgga cagacaaggc 120  
tgcccaaaga gggagtctca cggggagatg ctgaccacct caaaagact 169

<210> 7543  
<211> 236  
<212> DNA  
<213> Glycine max

<400> 7543

gtggtttgtg tgacatggga atgcttgatg aggctagtaa gtatgtggag gaaatgttgt 60  
ccatagattt ttctcctcat tctgctgttg ttcacgcctt ggtgaagggg ttttgcaatg 120  
ttggtagggt agaggatgct tgtggagtcc tcaccaaggc actagagcat ggggaagctc 180  
ctcaatcgga tacttgatg gccataatgc ctgtaatatg tgaagaggat gatgat 236

<210> 7544  
<211> 362  
<212> DNA  
<213> Glycine max

<400> 7544

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gttaaggtaa tgttctcgcg caatgcatta ctgggtggaca ttgttgggtga gagtatcggt 180  
cgagtattga aactagattc aattcaagct tggccaacat ggaaaggaat agatgtaatg 240  
atatttgatt cttgcattgg tggatcacac aggaagaaaa caccgtatgt actcattata 300  
actagttcac tttcacatat tccatgcaat cattatacac tttttcatat ttttttttta 360

ta

362

<210> 7545  
<211> 327  
<212> DNA  
<213> Glycine max

<400> 7545

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aatcaaaata ttgaccacct ccattgctac ttcgtgcatt gataaatatg tatttatgta 120  
ttagtaaagc atactacatt gatgtagac aacttatcca ttctaattga aaatgttctt 180  
tcaatttatc tcagcctgat atgccttatt atttaattat aacgaatctg atctcttata 240  
tatattaaat taaaatatat attgccctct gacaatttta ataacatcta ttaccctcta 300  
aaaataaaat tccacttgat tattttt 327

<210> 7546  
<211> 222  
<212> DNA  
<213> Glycine max

<400> 7546

aggcaaccat gtggatggat cggtttgctc ttaccttgaa cgggagtcaa aaacttcccc 60  
gattgttaac caaggccaag gcgatggcag acacctactc cgccccgaa gagattcatg 120  
ggcttctcgg ctattgtcag catatgatag acttaatggc ccacataatt agaaatcggt 180  
aggaaacttg tgtggtctct cagaccttga ctagatatga ct 222

<210> 7547  
<211> 163  
<212> DNA  
<213> Glycine max

<400> 7547

aaagacgaac cagaagcttg cggaagaaga agaaacgcct cgcggatgga tgctcaactc 60  
gcggaagaag ggaagggaat ggcacacaaga agaaaaggct ggggtgcacaa aaatgtttaa 120  
aaactaaciaa ggggtatttct gccttttccc gtttagtggtt ggg 163

<210> 7548

ctgtgatcgt atccccatat tagctagatc ttgacgggta ttcaagtcac ccttctctct	60
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aacattcatt caatgtctaa cgtctagatt agaccagtct ggaagatcaa agaaaatgga	180
cctctgcttc atatgcaact cttactttta tccttctttg ggtctttcca atacagaatc	240
aagtgttgaa ccgctgat	258

<400> 7549

caaaccttcc tcatatgcaa ggctcatgca actttcattc atccaacttc gatccatcta 60  
aataataact ctgggataact cgcaaaatta tttgatgcat gaaaatctca ctttttcatt 120  
ataggtgtgg ccctatccca ttcatgaaqa cattttttat ggtag 165

```
<223>      unsure at all n locations
<400>      7550
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tagctcaaca	agcatacctt	gtgcttagct	tcaaatacata	tgttgtctaa	ccacatggga	180
ttgtaacacc	cttctcaaat	caaaggaatt	tcaactccct	ttcattttta	tattcatagt	240
cacccaaggg	atcaatgagt	gattaatacg	aattgaatta	cactacctct	aataaataaa	300
aaaataaaat	catgatctct	ttgtctatga	gggtgggatcc	gacaaatgaa	atcatcactg	360
tgatcctcac	ctaactacaa	cagaacatga	accattcgct	cttagatcaa	acatatatcg	420
tattcacatc	ctgttaactt	actataaaaa	acatttatta	ccaactacgt	cgcaattcgc	480

taccattata atattataat catatccaca ttaattctaa tcatatctgt tgtacacatg 540  
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<210> 7551  
 <211> 115  
 <212> DNA  
 <213> Glycine max

<400> 7551  
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 gaaagattat ctttcaattt tgattctctt gtcacgggta aatgcacgtc gctga 115

<210> 7552  
 <211> 139  
 <212> DNA  
 <213> Glycine max

<400> 7552  
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 acatatgatt ctccccccc 139

<210> 7553  
 <211> 61  
 <212> DNA  
 <213> Glycine max

<400> 7553  
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<210> 7554  
 <211> 220  
 <212> DNA  
 <213> Glycine max

<400> 7554  
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 gattcaagaa tcaagagaag actcaatcaa gataagtatc aaaatgtttt tttcaaaaac 120

taagtagcac atgaattttt cacaaaacct ttaccaaag agtttttact ctctagtaat 180  
cgattaccag attattataa ttgattacca gtagcaaaat 220

<210> 7555  
<211> 534  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7555

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gagaaatcga cctattatct ccccaattgg ttgccctcc cactttggga taagtgtgat 180  
gaaagatgag ttgcatccta tngaaaaacc ccatatctat ggaatcattc aaaaatctca 240  
aaccatccct tgtatgtctt ccaaaaggat tttatgaaat aatattatac tattggacct 300  
tgctctttga gctccacact tcccacggct tcttacttct tacaccaact tgactaaaac 360  
ctattttcat gtgaattgat gactgaccca tccaaaccac tatcatattt tatgttcggc 420  
ccatagcaga gcttgaccca atgtcatatc tcaatttctt cagactattg gcctttcgcc 480  
aggctctctt tattcacaaa atttattcta ttttcttca tgggttacag gatg 534

<210> 7556  
<211> 236  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7556

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actaatgata tccgtgatat tgttgatctg caggagtttg ttgaaatgga ttatntgctt 180  
cacaaagcaa tccaagttga gcaacattaa taaggaagga gtggcttaag agttta 236

<210> 7557  
<211> 465  
<212> DNA  
<213> Glycine max

<400> 7557

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tgaagaaagg gaagaaagtt cccgctctaa gaaaaccaa aaatttgcg aaagatcttt 120  
ggaccggacc attcctaaca tacaattgg ttccaatgaa caaagaaaga aaggaaccct 180  
gacctaaagt ggcttatcct ttgattccat caaattttgg tgtacgactt ttccccgcct 240  
ttcaaaacag aataggtagg cctcagtaat ttaaagccaa accccttagc caaacctaa 300  
aaaccttcca agatgcttga tctgacctg attttgatga agaaattgaa gcatatacat 360  
tttggtaaat agtaactct gcaaagact ttagatTTTT tttcaccgtg tctatggctt 420  
aacaggatc aactctaggg ggTTTTgaat tttctgagat ttttt 465

<210> 7558

<211> 305

<212> DNA

<213> Glycine max

<400> 7558

gacagtatga gagatctaaa caggtgacat taaacctgaa ccactagaat ataaggatc 60  
tagatTTTT ttttcttctc ggtccttggt acttttctaa aattctaaaa atcaatactt 120  
caaaccaatt taatataatt atcatagtaa atactaaata accattagat gaagatattc 180  
aatttagtac atatgtcgtt caactacatt taaaccata ttggatactt ttattaacct 240  
ttatagtttt ttaaagatac ataatagttt cacattgaac taaaccaagt tgaaatcatt 300  
ttaat 305

<210> 7559

<211> 167

<212> DNA

<213> Glycine max

<400> 7559

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attgaaatga tagtttggat ctatgccaga catatcgact aacaaccatg caaatagatt 120  
agcattatca ttcaatactc gaactacaag tgattgctca atttctt 167



<210> 7560  
 <211> 113  
 <212> DNA  
 <213> Glycine max

<400> 7560

gttttagtgc gtgaggggat gaagtaattc aggtttttta tttatcaaca acataacatc 60  
 agttttttta aaataaccga tgttgacctt agtagttaac atcggttttc aaa 113

<210> 7561  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<400> 7561

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 tatttgtact taccaaaact tgcatttgtg gtagctggaa tatctgtcac catcctgcc 120  
 atgttaaaga gagaagattg attacaaacg aatttatttt aggtagccag tccaaaatat 180  
 ttataaattt gagcacattt atatacttat taggttttagc tctacagctt atataacttt 240  
 aatacaatta catcatattt t 261

<210> 7562  
 <211> 257  
 <212> DNA  
 <213> Glycine max

<400> 7562

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 acagcaagtg atgcagaaat tcatgacctg cagatacaac attgggttgaa attatgacat 120  
 aaaaaacgat gtcaatataa acaagcaaat agacctaatg atccacatac tacattgttt 180  
 agcataatca aatttgtgaa taagcacact ctcaaatac actctttatt tgtagctgaa 240  
 atttatagaa atcacat 257

<210> 7563  
 <211> 206  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<400> 7563

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gtttttctag ttctaagctc atttgtaatc aataaacaag aaattatttc tctctttact 120  
gttctcttcc tactacattt gtaatatggg atcaagaatg taaaatgaga gaagctgang 180  
ggatattgga ctgaanatca tgtgtc 206

<210> 7564

<211> 227

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7564

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tcttctaact tgatagttag caaacatatt catagctaatt gtatctcgaa atctttgcc 120  
ttactcagta gcttgaatag ttgtgatatc atctatgaca ttatcttgaa ctcttccct 180  
tgattgatgg actaaactct cattaacaac agataagaat ttaagtc 227

<210> 7565

<211> 191

<212> DNA

<213> Glycine max

<400> 7565

actttttcaa gcttttctt gagcttcaag ctttaacctt aggttggttca ccatgttgtt 60  
catgttgggt cccctatctc taaagatctt cccatctttg gtttgatgat gcaaacaatga 120  
tcctagttta tcttgaaatt tttaacactt agagagatag atatcatcat catggtcata 180  
tatattatat t 191

<210> 7566

<211> 275

<212> DNA

<213> Glycine max

<400> 7566

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attcaagggt ataagtataa gttgcataag aagggttttag cctacgagag gacattaatt 120

accaaactcat tttctttctac tatagggctt attgtcgtag acatttacag catgaataca 180  
 ttgaatactt ttagttggat tattataaca ttttcacttc tatctttaaa ttttatgcaa 240  
 tatataactg gcaatcaata atatatgatg ggtct 275

<210> 7567  
 <211> 224  
 <212> DNA  
 <213> Glycine max

<400> 7567

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 gagtggcgaa agattgactg tactaccttg ctcccaggac cattaccaac tgggatgacc 120  
 ctaagagggt gttcttggag aaattcttcc ctgcatctaa gaccattgtc atcagaaaag 180  
 atatttcaag cctcaggcca gtggagagag cttgtatgag ttct 224

<210> 7568  
 <211> 170  
 <212> DNA  
 <213> Glycine max

<400> 7568

atggcaatga aggggctaca tggctttttt ttaccccact tgcattatat aaattctaga 60  
 gacatatgca ataattgcac attggtgaac acatcatact gcaattcctc aaagctttct 120  
 atatatcatg gcaaaacaaa aacacgcttt ctcagaagct gccagaaaaa 170

<210> 7569  
 <211> 154  
 <212> DNA  
 <213> Glycine max

<400> 7569

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 catgttagat tgtaaagcaa aaggaaagaa aacattatta gaaaaataat aaagtaagct 120  
 aaagacaagt ggatagatcg gattttgaat gaat 154

<210> 7570  
 <211> 331

<212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 7570  
  
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 caagagggtt ggccaaagaa tctaagataa aatgggttac aagagatata ctctctgggt 120  
 atcgattacc agaggatgta attgattacc aatggccaaa atgcttcttg aaatgatttt 180  
 aaaatgtctt gaatactctt gaaacatgta atcgatacac atgtctggat cganaccaca 240  
 gttgaactat ttataaacct attagatatt gaattcaatt taaaaatgga tcgttacctc 300  
 gatggtatcg atacagtagt ttgaccgtta t 331

<210> 7571  
 <211> 189  
 <212> DNA  
 <213> Glycine max  
  
 <400> 7571  
  
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 atctcttgat accttgctta gattctagga gagcatatgg ttcaaggcaa aattacccca 120  
 aatttggggg agtggaacta agaggatgac aaagaaaaag gtaaagcact agcatacata 180  
 aaaaataag 189

<210> 7572  
 <211> 276  
 <212> DNA  
 <213> Glycine max  
  
 <400> 7572  
  
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 ttatgccttc tacagggtgc gttaatctcc aaatcaatgg gaatcaaac accacagta 120  
 gatcttcttt gtatacaaga gaacacaaca ataagtatcc acttcagaag aacatagtat 180  
 atatgataac taagatatga acacaaagaa tcaatgaatt aaagagaaca atataaagca 240  
 atgtctaaaa ctgaactata ctttcttaat ctagtc 276

<210> 7573

<211> 379  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7573

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 ctnttttcta gtgctggatc tatgagcact ttcctagtgt gcatcagtc gtcacagatg 180  
 atgcatacca ggagacgtcc ccatgtgttt cccggtggct gacgtcnnaa gtccttatga 240  
 agggaaatcac aggagcacca taccgggcac tttgtgatgc tatgaccgtc atagatatgt 300  
 cttggttacc ttacactgac catcgggggg ttagggcctt cgacctgatt tcatcattct 360  
 aaggtcagtt gagatgggt 379

<210> 7574  
 <211> 443  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7574

acaacatatt tcttaaacca tcggatcaat gagagcnact catgggtgtg gagagtcaac 60  
 cttcatgggc ttcctgtagg aattatagta taacatcatc tgaaatgtag ctacatatag 120  
 gttcaaacia tgtaactaaa taaattagta gtgagtacat tataattgta ggaaaatggt 180  
 tagtatatag atattatatg taccctaaca gggttttttaa aacctccttg caaactacac 240  
 tcgtggtaga ggtcaagctt tttttgtctt tatcatgtat taaaaccttt aatccattct 300  
 ttgatttgac tctcgatagt gcaacatata attgaccatg actaaacaat ggggtttatg 360  
 caagtaaagt tcaacactat atcatgactg gcctggagac ttattaattg tcattgcata 420  
 agagagcatt attggaaata gtc 443

<210> 7575  
 <211> 476  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7575

caacatccaa acatcatgaa ctatcaatta ccaagataac agggcagagg cagaaaactc 60  
 tgcccaaaac acaaaccaat accataactt tccttactca aataccccag taacattctc 120  
 ttcggtccaa ttcggtttacc gttggatcga ctgaaaaatt ttactggagg tccctagtag 180  
 ataagtgtac antttgaccg ttgggatctg ctagaaaata tccgtaaccg aatatataca 240  
 accctttcca caaccagcca tgcataagca ttttctgcac aagcacaaaa ttctgctgca 300  
 tatttcaaca gcaaaattct gcataatagt gcagattttc gaaatcactc ttgcctcat 360  
 ccaattttgc ccaaattgga tctacaagt cctaaatcat gtataaatca tatctaaacc 420  
 aaagacaagc ttcagaccat agcaactcat aatctaggaa tttaaaccct tcaatt 476

<210> 7576  
 <211> 441  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7576

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 tctcgacttt cttttgtttt ctctttttct ctctgaagaa gtcgtgcgga caacggcaca 180  
 cactacctac tcacgtctta ccacaatgtg aacgagaaac gcacaaaaat ggtaggtcgt 240  
 aatatggtga cgaaatagat gagagccata acgccgaaca tttctaacag aaacgagcaa 300  
 taatgatagt aatgttaaga accatgatga caaaatataa aatagtaatg tcaacaacaa 360  
 catgggcaat aacagacaac gtttatagca aactaatgaa ataaacagat atgtcaaaaa 420  
 atgcggtgac ctgcgcacg t 441

<210> 7577  
 <211> 274  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7577

tacaactaca agtgattgtc aattctccat tctcaagttg ggattcataa ctaactctcc 60  
 actctccatt gttatcacat attcaccatg agcttccgtt tcttttttat tttttgtaga 120

tatttgtggc agctattaga tcccactccg cttgaaacaa attgaacatg ggaggagtgt 180  
 actcttgaga aagatgtcca atcataggtg aactntgtat gatcattctt ggcaacttct 240  
 tacgcatctc ataatctggc ttttaactcac tata 274

<210> 7578  
 <211> 459  
 <212> DNA  
 <213> Glycine max

<400> 7578

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 caagtctcgg gtcgctctgg taagcgaaaa acgggtacgg gttgatcgtg aacggcgatt 120  
 tgttgtcctt gagtatcgcc agcagctggt tgagcgtgtc ttgcatcgcc tgggtgaaca 180  
 acccggaaga gggcgggtcc gactgagtca acacgggcat ctgagtgcac tgtggagacc 240  
 ttgatcttgc cgtcgagcga agccgcgcgg agggcatttt ggacatttag catcttcggg 300  
 actagctgcy acttaatacc ctgatcggat aatgtcaaaa tctcttttcc gacgggtgatc 360  
 atagtgatgt tgctcgccag gtagtaaggc aagacgttct cgataaccca ctgtgtggcc 420  
 gctgtgggat cgctgcgag actcgctatg tctccgttg 459

<210> 7579  
 <211> 446  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7579

ngactaggcg agttgattnt agccttagtt ccaccttagt tattagtcaa ttcggttaag 60  
 aatgagaaat cccaaagaga aaatgtccgg ttgattttcc gctttatatt actaaaagat 120  
 gttttttttt attattatta tattattttt tacctctttt tttgatttcc aacgtgggta 180  
 cggcacgacc gaacggtcgg aattcatttt aaccgaagtt tacggataat acaattcaaa 240  
 cgatcgggtg aaatttatatt tatttttagg ttaagcgaga aatgacttaa gtaaaatggc 300  
 ttaagcacgt caagaggggg tataaaaagt aaatgaaatg agaataaaaa tacacgaaac 360  
 acaatgtgga ccaccacggg tacatagaat gaatcgaata gcttggttca aggtacttac 420

ccattgaaga tcgaagaacg atgaag

446

<210> 7580  
<211> 465  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 7580

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actatTTTTta tctTTTTTTta atcaattctg taaaataaat tcatgatcaa aataatatat 120  
attttatgta ttgtatattt tatcattaat taaaatgaat tattaacaca caaataaaaat 180  
aaatttaatt aaaatatata aaaatttcta tattttatat atatttgacc aaaaaatatt 240  
ttaaaagtgt aactataaaa acttatactt aaaaatttac agcaagttac caatcatcaa 300  
ttctaaccat ttatcaatgg ttaataagaa gtttctccat tgatgaagat gttattcatt 360  
tcctatctt agacgtttgc cttttttaca aactttcccc tctgagcagg gagcacaatg 420  
atgtttaatt ntatgaaaaa gatggcagcg gacatgcaat gtgggt 465

<210> 7581  
<211> 337  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 7581

atatgtgtnt gtatgtgtgt gtgtatgaca tagagttaga ttattaatta tgcttccttt 60  
aatcttctct tttcaagttg ttttgtatga tttgagcaaa agacctatag aacgcaggtt 120  
cgtaaggaaa gatgaagtta taaaggaagg tgaatcaata tattttgatg gacatttact 180  
ggaagtagga caacctgaac ggattcatca ctctccagcg aagttaaagtg aacgaggagc 240  
tgacaataat gttgttgaaa ggagacaact aggacatgta caaaatggat tctgctaggt 300  
caatccatct ttttgctaaa gggtattcct tgaataa 337

<210> 7582  
<211> 294  
<212> DNA  
<213> Glycine max



<400> 7582

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tgttggtatg ctgtcagtc actagacgaa ggacacttga gcaaattgag taaatcttag 120  
ttttgctaag ttagcgagtc tcattgtatt caaacttact gtgtaaacac tctttgagt 180  
attagaatac atccactatc acacatatac tatttgtgaa agctaacaat agcttaatga 240  
caaataatac ttgggtctta atctagaggg gagattaagt atagtgtcag gaat 294

<210> 7583

<211> 472

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7583

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gtatgatgaa ctaagggacg ttaatatggc caccgatgaa gccttggaat gagaaaccaa 120  
gaaggcccgga aaggaagaac acgacaaaa caagttttga ggggctttat agggcagcaa 180  
tagtgagctc aaactctgaa gaggtgaaag gaatcatcat ggtcaaagg catgatctgg 240  
aaggacgagc taaaggcttg ccttangtcg aaaagaaatt tgtccaaca gttaaagtga 300  
gactgaaggg aatatgtggg caatcatcga tgagtgccaa gagaagctaa atctagcggc 360  
gactcacgag caaaggctag aagatgagta cgccaagata tcagcagaaa gggaagcaag 420  
ggaaagggta attgattcat tgcaccaaga ggcaactgtg tggatggacc ga 472

<210> 7584

<211> 145

<212> DNA

<213> Glycine max

<400> 7584

tatatcaata cgctcgaaat taacagcgga agctctctcg atattcatat agtcataact 60  
attcacacgg atgtccgggt ctggcgctta atatgtcgag aggctcgaaa ttgaacaacg 120  
gaagctcttg agaaatgcaa ctgggt 145

<210> 7585

<211> 492

<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7585

gatggcctca gcanattcct tatttccaga aggggaattct atcaatagac ctccaatctt 60  
taatggagag gggtaccact actggaaaac ccgaatgcaa atttttattg aggcaataga 120  
tctaaatatac tgggaagcca tagaaatagg gccttatata cccaccacag tagaaagagt 180  
ttcaatagat ggtagttcat caagtgaag cactatata taaaaaccta gagatagatg 240  
gtctgaagag gatagaagac gagtacaata caacttataa gccaaaaaca taataacatc 300  
tgccctgtga atggatgaat atttcagggt ttcaaattgt aagagtgtga agaaaatgtg 360  
ggacactctt cgattaacac atgaaggaac tgcagatgtt aaaagatcta cgataaatgc 420  
actaactcat gagtatgaat tatttagaat gaatgcaaat ganaatattc aaagcatgca 480  
caagagattt ac 492

<210> 7586  
<211> 421  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7586

tcaagtcgct cggatagcaa cttgttntgn gccaacatag tgttctatga tgaaagcttc 60  
aacaggctgt ctttggttgg gatgtgtgct ctatcacaca agattgaatg gtcactagca 120  
accatattgt caatcaattc catggcttct tcaggggggc ttcaatttat ttttccctg 180  
cagaagcatc taaaagctgc ttggattgtg gccttaacct gtcaatgaaa atattgagca 240  
ngattggttc taaaaatcca tgagtaggcg tctntcttag taaccacag aatctttcca 300  
aagcctcact caaggactcg tttggaaatt gataaaagga tgagatggca gcttttcctt 360  
cagcagtctt ggactctang aagtatttct tcaagaattt ttaccactt catcctaagt 420  
c 421

<210> 7587  
<211> 614  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
 <400> 7587

cccgacaccc gacctcgacg acttcgtcac cgtgctctac atcattagtn antgctaata 60  
 aantatcccn nnnnccgccg cgttgatacc atcattactg aactaagat acacaagcaa 120  
 gaatgactca attcgctaca gaatgaccat ggcaactctc tgcataatgca atcagggtcac 180  
 ccacctacga tctacgatgg gacactaatc atatcacgac atgaataatc atacaagctc 240  
 catatgacta acaagcccaa gtccagtgaa taacagctta tgtactgaca atatatgaaa 300  
 ttcgatactg attatgaaca aagacgcacc acctttcaga tgcaagccac gcatggacaa 360  
 gctgtcggcg gatatgccgt aggcaaagaa atgcatcgaa ctctgcatct gttagtactg 420  
 gggatatgcy gtctacacct tattacctga cagatacact aaattgacac ggtccaggca 480  
 agtttataga tgaaccacag aactatagac cataactacc ttagtaaaca acgaagcacg 540  
 atctctatct ggaggaacga aatggcactg aagaggatgt atcttatcac atnccgaccc 600  
 cagccttggt cgag 614

<210> 7588  
 <211> 414  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7588

caattactgt gtaaatttca tagttgccaa tcattgtctt ctctatatct cttatgaaca 60  
 acacgagtgc accactttta ctctgatatt agacaaccta taacagagac ggggtgttta 120  
 tatttctcta tgaatagaga caactattgg acaagtatgg aactggggca acctcaaaga 180  
 tttcattaat tgcaactttg tcaagatcat cctctccaga gccgtctact cgtagtaa 240  
 gatntgctgc attatgaatc atcaatgaat tatacgtgcc acaattatag catacaatgt 300  
 attaatatgc agcttaagaa acaaaagttc aatctaatac agcgaattac cagaacagaa 360  
 gaaccacgg tcattctcac aaatgccacc aagatcattg ccattctggaa ttga 414

<210> 7589  
 <211> 490  
 <212> DNA  
 <213> Glycine max

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<223>      unsure at all n locations
<400>      7589
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tctntcccta	acctgtggca	taggcaacac	agaaatgatg	tctatgatga	agtaacgtn	60
taaatatctc	ttggcaatct	ttctaggatc	tataacaagt	tcacctcgtc	caaatacccg	120
agatgaaggc	gcaatgtagg	cggtgcggaa	ttgaaaactt	atgcggagga	gataaatgaa	180
atcacatatt	gttctcattg	tgacagcaaa	acttgctagg	ctgttatcta	tggcgaggca	240
aaatgatttg	tggttgaaat	aaggaaggta	aaagaagaag	ggatcgcatg	ctatagaaac	300
aatgcacaga	atctcaaaaa	acttgttcca	ataaagaag	ttcttatctt	gaggatcaaa	360
tactttnttc	tcagacactt	taagatcttc	tggsaacact	gcccagtag	tactccagt	420
ctttagtgat	cttccanatg	tctttagtc	atctgaactc	ttcttcattc	ctagcctaaa	480
tgatttcgat						490

```
<223>      unsure at all n locations
<400>      7590
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<210>	7591
<211>	421
<212>	DNA
<213>	Glycine max
<400>	7591

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 actgttcttt ctteccacga tgcttctttt catgtccgcc tgagtgggct tatagcctaa 120  
 accatacttc ccacagtttc cttgagtatt tatcaggcta gttatgccgc cgttgtctct 180  
 gcctaaaccc accccggggt cataaccgtt cccaacata actcggggcca tcattaccgc 240  
 tgcacgaac agacaaggct gcccaaagag ggagtccacg gaggaatgc tgaccacctc 300  
 aaaagactgg aaagcagttt ctaacgattc ttctacggct tccacataag gcatggagga 360  
 tggccagctt accaagatgt cttectcgcc taacacgatg accaagtgcc tctccactac 420  
 g 421

<210> 7592  
 <211> 421  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7592

tatccctaga ggtgatggac ctttgcaggt cttggagagg atgaataaca atgcctatag 60  
 gttggacctc cataagagta tggagttctg atttaattcc ttttgcaggt ggagctgata 120  
 atgaggagga ggaacgaaca gatttgaggt caaattctct tcagggggag gggatgatgc 180  
 aatcctccct tgtaagggac caatcaccac agccatgagc aagaagctct aagaggatta 240  
 ngctagagct gctgaagggt ctatggttct catgaacctc anggtagatt tctgagccca 300  
 tgggctaagg ttgggtccac ttttctctgt aaatattaga ataagttctt cttcttttaa 360  
 gtttgtatga taccctacaa attaagggtc tcctacctta caagtataag gtacccttag 420  
 t 421

<210> 7593  
 <211> 422  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7593

cggaagctga cgcganacta anatgggtcat tacatttcac acggaagtcc gattcaggcg 60  
 cataatatat cgagacgctc gatattgaac aacgtatggt gtcgataaat tcatatggtc 120

ataacttgtc atacggatgt ccgattcagg cacataatat atccagatgc tctaaactga 180  
 acatcgacag ctctcgagaa attacaatgg tcataactat tcacacggaa gtccgattca 240  
 tgcgcataat atatcgagac gctcgaaatt gaacaacgga agctctcgag aaactcatat 300  
 ggtcataact tatcacacgg acgtccgatt caggcgctta atatatcgag acgctcgaaa 360  
 ttgaacaacg tatgggtgctg agaaattcaa atggtcataa cttgtcacac ggatgtccga 420  
 tt 422

<210> 7594  
 <211> 491  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7594

tatcacatca ttgagttcct aggtgagttg tcaactcttaa gtgcggataa atgattntca 60  
 taataaacia actntaaata tcttaacaaa ataaaccact gatcttttgt tcaaaaactgg 120  
 cgggtaaaga tagatggggg ttactccatg agttaacaag atttcacgta ttcaaataag 180  
 tcaacattgt ccaaaacata ctttttgtaa atactattat attagataat ccaatttaga 240  
 tttcctaaat ttgagtcact aaacaggata ttttgaaatt nttatagata gagcgagcta 300  
 ctgctgttta gttaaggcaa aggctaattg tgtatgaatc ggataggatg agttccatat 360  
 aataaataat aaaagagaca ttgttatgtt ttaactataa atgagacant tttttgcttc 420  
 cttttctntt caatcccaat acataacaat tgtaattata cgttaatgct tgcanatgtg 480  
 gagcgagcaa c 491

<210> 7595  
 <211> 503  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7595

tactcagcta gctaacacac ncatctagaa actaacctca cctccttgag aagcttcctt 60  
 gagaagctag agcttagcta cacacacccc tctaataact aagctcacct ccttaggaag 120  
 agaagctaga gcttagctac acacccttat aatagctaag ctcaccccca tgacaaaata 180

catgaaaata caaaaaaatc ctactacaaa gactactcaa aatgccctga aatacaaggc 240  
 taaaacccta tactgttaga atggccaaaa tacaaggccc aaaagaagaa aaaaaaacct 300  
 attctaatat ttacaaagaa gagtggaccc aaccttgacc catgggctca aaaatctacc 360  
 ctaaggttca ttagaaccct aaggccttct ttatcagctc tagcccaatc ctcttgagc 420  
 ctcttgctca tggctctggc aactggctct tttctagga ggatagcatc acattatgac 480  
 aagctcagtc ttaactggtt cac 503

<210> 7596  
 <211> 327  
 <212> DNA  
 <213> Glycine max

<400> 7596

tgatcatcct actaagacga ctgatataac tgtggcacat aaagagggtg aggatgaagg 60  
 agagacccat gctgtgactg tcattcctgt acgaccaagt ttcccaccaa cccaacaata 120  
 tctttactca gccaataaca aaccttctcc ttacccatca ccaggtatt cacaaacgcc 180  
 agtcctaact ctaccacata gtcttgtcta ccgcactttc aatgacgaac accaccttta 240  
 gcacgaacca gaaacaccaa ccaagaagtg aattttgcag cgagaaagcc tgtagaattc 300  
 accccaatt cagtgtccta tgctgac 327

<210> 7597  
 <211> 463  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7597

ctaggcttag cacgtgaaga catgacgctt agcgcaaggg ttgcgcttag cggttgagaca 60  
 actgnataat tttttctgag tcttttgtgc ccatatcttc acatgagctt aaaaaccccc 120  
 ttgttcactt ctaaacaagc tgcaaaatta atcacaatca caagcaacta tcctaactac 180  
 atgcaagaga tacagaatga aaaagtgaag agggaaagaa aagttggggtt gcctcctagt 240  
 aagcgctctt ttaacgtcac tagcttgatg catcatcctg ttatcttgng tccaacaagg 300  
 ttccaacttc cagatccttc ttctctagtc tcttttcttc catcacattc accttcaaac 360

aaaaattntg gttaggcaaa gctntctctt catgaaacat atcaaaaactg attngctggt 420  
 cttctatggc catttgtagg ttctcttttc ccatgtcaac cat 463

<210> 7598  
 <211> 398  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7598

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 agtgaggctc acagaactgc aacaaggatc accgaggggt ntgaggtcaa ttggaaaact 120  
 atgaaggaga agtggatgcg tgaggccgaa gagacgaaca agatttgcca gagggaatta 180  
 catgtgtgtc caaatgaaag aagtcaagt agtaatcatc tcacaaaaag gagcaatatt 240  
 cctatgtgct gattcaaaat agcttcttac cacaagtcaa gaaagctatg ccaataacgg 300  
 tcattatgag cagcatggac attaccctc ttcaagagtn tcatttaatt accctggtta 360  
 ttcatcttta tgtataaagt atctattgag tttcacgt 398

<210> 7599  
 <211> 492  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7599

ggcctaatta acctganatt gagaganaat gattattaaa cacacaaaat aaaaatacta 60  
 agtatttatt acctatactt aacaganaat acttataacc ttacaaaata accataaatt 120  
 gggagagttt gatacaattt atataagttt tatacacaaa agttagtcat tttcaccaac 180  
 taacagttgc cccaaattta cagttttgct tgtcctcaag caaaaagaga acaactcact 240  
 tgtcctcaag tgacaatgac atgcagtgat tatgtacgaa ggtgtatgct acaaagtgac 300  
 taattgcatg ataagagaat ggagtaaaat gccctcaaca cttgtctttc acaacagtta 360  
 tctaaagaca agaataaaaat gtaacctgaa cagatagatg aagttaggca taagacagat 420  
 attaatgaaa gtagcttaaa ccacagtctc acagctaatt tttcactcaa gcacaagtgt 480  
 ttaagctatt ca 492



<210> 7600  
 <211> 487  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7600

ngaagggttc tggctctgagt cttcagggaa ggctngcatg gtatggaaag gaaatggtta 60  
 ttctaagaca ggtaagcatc ttaatttgga tgctgtgttt aagcttgata aggttttcag 120  
 tgcaagcaat atcactagct tgggttaatgg aagcttggag agcttgagtt ctccaaagga 180  
 tgagagctac ttcgaaccca tttctgtggt gatgtttcca aaagcaaatt acaaataac 240  
 cttgaattcc acagaagtta ccaatgagtt ctcttctggg agtgatgcta tgaagggtgg 300  
 tttgtcattg agttcattga gtttttggtc tcgtccctc tcaagggtta ttagaaggct 360  
 ccattagag ttctctctg agtgcaattc ttcaaagaac tgcactcctt ttagtgagaa 420  
 ttctggtcca ctgccatttc tagtgtcttt gaaaggcatt gagtggtcca tttctaacia 480  
 caagcat 487

<210> 7601  
 <211> 432  
 <212> DNA  
 <213> Glycine max

<400> 7601

tatctgatgg caacttgga gtgtcaactg ctgattctga atcatataca cggaatgttt 60  
 tttctccttt ggatgtgaat gtccatgtta gtgttcgata acaagggttct ggtattgtcc 120  
 agattataga attgtaactt tgtaaccctt tctctccctt tctttttctc cgagggatgg 180  
 aaaaaaagag gaccatttga tgtggatgta aattagtttc ctttacgatg ttggaacttg 240  
 gaagagtgat ttaatgagct tctgatttca aatattcatt cttcttccaa tgagtgaat 300  
 attactata tatacgtgtg tggttaacatg tttatgttac ttgtgatgta ttacgacaaa 360  
 agcaatgaca tgattcattt tgaccactt actgatgagt aaggaatttt gacatacaat 420  
 gaagtggat gt 432

<210> 7602  
 <211> 148

<212> DNA  
<213> Glycine max

<400> 7602

tatgtaagcg acactatgga gtgctccatc ttctcaatga agatctctca agaaagcttc 60  
tcttgaagct aactagtcta ttaatcagaa gcatcgtgtg acacatcggt gtcaatatga 120  
tgaatgatag tcttgtgaga catacttc 148

<210> 7603  
<211> 492  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7603

cactatagat actaagctaa aggaacactc aaatcgggtg tatntactcc caaggcctag 60  
actccgaaga gtccgtagg gcctctcctt cttaattaaa atccaacca gaaaacattt 120  
tagcacacaa actctatcta tgaactgtac aaaacacatg actccttaat tattctaaaa 180  
aaaaattcaa ctcgtcgcg ctaanagtaa ttaaactcgt cgggttccca cagtggatcc 240  
tatcataata ctcgctcac attaactcat tgtctttaa gggctttaca gtcattgtat 300  
tatatagttc attactcaca actcaatgca cacaacattt caatacatgt gtgatctcac 360  
aatttaatac atactcaact tgtcatttac acacaattca tcacacttcc ataatcccaa 420  
gacaacacat tatcacgcct catgcatcat atacatgtca cacaataata atattaatat 480  
gntatattca ta 492

<210> 7604  
<211> 420  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7604

attggcttc gctggcaaaa tgategtagt gggcttaaaa agaggcaaat ctgatcatca 60  
tgcttgata aatgcaaaan aactatggca aatgaagagg gtgagaatga gggagaaacc 120  
catgctatga ctgccattcc tatacagcta agtttccac caaccaaca atgtcattac 180  
tcagccaata acaaaccttc tccttaccac ccaccagtt atccacaaag gccatcccta 240

aatcaaccat aaagcctgtc tactgcactt ccaatgacga acaccacctt tagcacaaac 300  
 caaaacacca accaagaaat gaattttgca gtgaaaaagc ctgtagaatt caccccaatt 360  
 ccgatacct atgctgactt gctcccatat ctacttgata attcaatggg agccataact 420

<210> 7605  
 <211> 448  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7605

ctaagcttac atggagctac atcattntct aacatattca aagacattct cagtaattga 60  
 acttggaatn tagttgtttt aaaaataaac ataaaagtgg aaccaacgaa attaataagg 120  
 ggcgcttggt ttgaacaaat tacgtctgca tagcgcaatg caatcatgta acattatgaa 180  
 taaggaataa tgaagacaaa atggacattt gggctctaaa cacaacctga caaaagggca 240  
 attgtaatga aacatgaggg aatacaataa tattattgat gcagtcatga tgttgttttg 300  
 gccgaaatn tgtttccatt tgtttgaaaa aactatgaca attgggttgc ttcacctact 360  
 gtgacaaaac attgagttca ataaattaag gtcattagct ggtatagtaa gaagatgggt 420  
 actaaattag ataaggtcat gcacctct 448

<210> 7606  
 <211> 481  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7606

gtgaagctcc tgtttagcta taccgattn tactcaacca ttcgtagttg aatgtgatgc 60  
 tagtggagtt ggcattgtgg ctgntttgat acaaaacaaa acgcctatag cttatttctc 120  
 ggagaaattg ggaggagcca gattgaacta ttgcacctat gacaaagagt tctatgccat 180  
 tgtaagagct cttgatcatt ggaatcatta tntgcgttct aatcacttta tattgcattc 240  
 agatcatgag tcattgaagt atatcaatgg gcagcagaag ttgagtccaa ggcattgctaa 300  
 atgggttgaa tntcttcaat cttttaattt ctcttcaaaa tacaaggatg gtaagagtaa 360  
 tgtggtggct gatgcacttt caaggaggta tgctttaata tcaattcttg aaactcgttt 420

acttggttat gagactttga tagattatta taaagaagat gttgattctc gtgaaatata 480

c 481

<210> 7607

<211> 321

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7607

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tgcattngct acgagcttct ggtcgcaatt acaggcgtct cgatatatta tgggactcaa 120

tccgacatcc gtgttaaaat gtattgcagt ttgaatttgc aacgagcttt cgttttcaat 180

tacgagcgtc tcgatatatt acgagagtca atcgaacatc gaagttaaaa gtgatcgtgg 240

tctgcatttg ctacgagctt ctgttgtcat ttactggcgt ctcgatatat tatgggactc 300

aatcgaacat ctgagtacaa c 321

<210> 7608

<211> 371

<212> DNA

<213> Glycine max

<400> 7608

ctcagctttg ttccattgag aactactatc attccatcca aagatgatag tataccaagg 60

aatgggtttca ccatgatgga tgcagaggaa atcaagaata ccaatgggtga ttgtcatttt 120

ctaatttgta tattatattt gttgtcttta ttactcttt ttactatgtt attcttttta 180

gttttatcgt taacaattat ttttgagata agaaggaaag aaaatcatgc ttattcaatt 240

ggaagttgct gaagagaagt acttcacact taattcataa ttttaattttt gttgtaaaac 300

gaattgacca atctgtgtca tattatctat tattagcatt ttaatgtata tgtatgaggt 360

atcttttatt c 371

<210> 7609

<211> 480

<212> DNA

<213> Glycine max

<223> unsure at all n locations  
<400> 7609

nggagaggat gcttcaatgg agcanaagan agaaggagag aaatagagag gngggagcac 60  
gatattgaag gaagataaag ggagagaagt tgaactttga gttgtgtctc aatggactct 120  
cattcatcaa agttacaaca agtgttacac atgcttctat ttatagactt ggtagcttcc 180  
ttgagaagct ttctttagaa aacttccttg agaagcttct ttgagaaaac ttccttgaga 240  
agttagagct tagctacaca caccctctca taactaagct cacctccttg agaagcttgc 300  
ttaagaagat tcctaaagaa gctagagctt agctacacac acctctctaa tagctaagct 360  
tacctccttg agatgagaag ctagaactta gctacacacc cncataata actaagctca 420  
cccctatgcc aacaaaaaaaa catganaata caaaagaagt ccttactaca gagactactc 480

<210> 7610  
<211> 466  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7610

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ttgagttgaa ccttgagcct atgaaattat atctctacct accttgtctt aagttgtagg 120  
agagcattat ggttcaaagc aaatttgtct caaatttggg ggagcttatt gggtgacaac 180  
ttctaattgt aagaagatga caacacacac aataaagtaa aaagctgctg ttaaaaaaaaa 240  
ctgtaagtat caaaaataaa actgagtgtg tggtgttata taataaagct aagtgtgaa 300  
aggcaagtaa ttgaagctgg aaataataat gaaaagagtn tatctatgga tgaatgctct 360  
cctataactt aagctgtttc atcttagaaa aaccataatt tngttgagcc cgacctcatt 420  
acaagcttag aaaagtcctt cagattcagt ttgtgtgggt atgact 466

<210> 7611  
<211> 473  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7611

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catccttact caaaaaccaa atgggtcatag taagcccggg aaaggtctat caaccttcat 120  
 ttccctaata gtagaatcct aacgccatat gcacctatca cgggtggcgtc tcgggggcact 180  
 ccatcgagca atttgtagct ttttaagcaca aagtacaaag tttgattgat gcaggatggc 240  
 ttacatttca agaggatagt tcaaagttaa ggactaatcc actttcaa at catggaagct 300  
 cgttgatgaa cgtggtggaa gaatggaaat ctcatgagtt gaaacagata ggggatgtgt 360  
 cgactacaaa atgattcata ttggaggcgt tgcacgaggc tgatgtgatt aaatgtgatg 420  
 gtaataaggg agatcaatgc ttgatgcatt cangggcatt gcttgatgta gaa 473

<210> 7612  
 <211> 392  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7612

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 aaattaaaat ccctaaattt cataattagg atttatacat aattgagaga aattaaatca 180  
 tccctagatt taataattag ggttcataca taattggaag aaattaaatc attcttggag 240  
 aatcataaat ttcataacac atgttttgat atcacatgta aaacattaag ggggttctta 300  
 gactatcaat tataggaaac aacatgatct taaaacatat gattctcaca tacaatcaat 360  
 aaacaataga taatggtgca tacctttctt ca 392

<210> 7613  
 <211> 420  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7613

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 tacatgcaag agataagaat gaanaatacg aaagggaaag aaaagctggg ttgcctccca 120  
 gtaagtgtc ttttaacgtc actagcttga cgcattcata tgttatttag gatcaaacag 180  
 aattcctact tcaaggacct tcttctcagg tctcctttcc tccatcacat gcactgtaag 240

acagatattt tgtctaggtg gatctttgtc ctcatggaac aagtcaaagc tgatattcta 300  
atcttctatg cccatctgta acatcttctt tcccatgttc accacacagc ttgtagtaga 360  
catgaatagg cagcaagaat gagaggaatg tcagcatcct cttctatata tatgacaatg 420

<210> 7614  
<211> 460  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7614

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gaattgaatg gagcttttaa gtattgttga tcccaatagc tatggaatta cctgtcgaac 180  
cttggtaaaa gtgaaagata atgctaatta gtgtcttgag ggtattagtt aaagaacttn 240  
aaagtagaaa tattattatt gggagaaaaa aaaattgtgt tactcattat ctttttacgt 300  
tttctattaa ttatacaata aatatnttct taattaatat cctananaca ttaattagta 360  
tgatcaaaat aaaatacaga ttcataagac catctaatac attgagtaga caaacaaatc 420  
cctaatagna tgttgatagt ctacaaatct caccactgat 460

<210> 7615  
<211> 368  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7615

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ctttcgaggg gcaactccca ccttatgacg actatcccg gcaagacgat gaggaaggag 120  
atacccatct tggccccctg ctccacctca aagatctgtc ccccatgaa ctacccaac 180  
cgaacataat ctgccatata cgggcctcac ccacacctgt aaaagaatct gttcccttcg 240  
cggaagataa gggaaagatt gaggcgcttg aagagaggtt aagagcagtc gagggccttg 300  
gccattaccc attctcggan ttggcggatn tatgtctcgt gcccaacatc gtcaccttc 360  
ccaagtcc 368

<210> 7616  
 <211> 389  
 <212> DNA  
 <213> Glycine max

<400> 7616

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 ccaccagcct agtgccctgtt catacccgtc cccgagcatc tgaaaacagg agatggcatt 120  
 tatgcagtga aaatatggcc ttgctaccac ttaccttggg tcatccctgt ctaggatttg 180  
 acgctgtatt gaccacctca cgaaatgac atgtccctgt ctgtcgattc ataaggtaca 240  
 aaatgcatgt gcatgcgtat gcatgggtag tttcaaaggc aataattctt tagcaaaaac 300  
 ccattgtgtt tagttctaaa taagcactta gagcatccct ataggtcgag cgagaaggct 360  
 tgaatcattt aaaaagaata tgcacccct 389

<210> 7617  
 <211> 431  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7617

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 tgagtaaaaa gttattgtcg nttgaattgg ctgagagggt caacattcaa ttttgagcat 120  
 ctcgatatat tacgggactc aatcagacat ccgagtaaaa agttattgtc gtttgaaatg 180  
 gctcagagct ttaacattca atttcgagcg tctcgatata ttacgggact caatcagaca 240  
 tccgagtaaa aagatattgt cgttngaatt ggctcagagg ttcaacatat aatttgagc 300  
 gtctcgatat attacgggac tcaatcagac atccgagtaa aaagttattg tcgtgtgaat 360  
 tggctcatag gttgaacact tcaattcgag cgtctcgata tattacggga ctcaatcaga 420  
 catccgagta a 431

<210> 7618  
 <211> 457  
 <212> DNA  
 <213> Glycine max



<223> unsure at all n locations  
 <400> 7618

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 aacactcatt tcatgcaaaa taatccactg catatcattt tcaatcaatt cactgttcaa 120  
 acacactttt ggtacaagaa aacaactcaa agtgctaaaa tttaaataac tgaaatataa 180  
 agcaaactaa aaagcaacta aatcctgata aactaaaatg ttcatgcttt tcagaaatta 240  
 aactaaacac aatttaaaca tctgtctcat cctatggctg atgttcatta agatccagt 300  
 ctggagctgc tgatgaatcc tgaataggct gctttggctc cgtgactggg gcagatggct 360  
 ggggtctctc anggataggc acangagatg gctcatggat ctgggttatg gaagtccct 420  
 cctcttgagc aatgttcgca tctgcatcaa aataaaa 547

<210> 7619  
 <211> 544  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7619

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 ccataagact tcatntccca atcgaggatc tatggttcga tgggtctctt tacataacct 120  
 acccaatatt cttaccaat cggcatttgc tggatcaagt ggtctgacag taattcccaa 180  
 cgtggacgcc tgctacacct ctattatctg tccctcgctg aactaccct acccatcata 240  
 atctgccatg ttccggcctc actctcacct tgagaagagt ctacttctt atccgaagac 300  
 aatgcgtaga tgcaggctct tgtagagagg ttaagagctc ctctacggcc ttgggcattg 360  
 cagcgtataa gaattggccg ctttatgttt cctgaccac atcgatcatc gttcctacgt 420  
 gcaatcacca tgacttcgac acttcttaag gtatgacatg tccatcaagg cttctttcga 480  
 tgcttagact caacagagga gcgcccttct catggaccct atatttgccc atcatttttc 540  
 cccg 544

<210> 7620  
 <211> 427  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
<400> 7620

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ggcatgggtcc tctcccttct aatattgtgc tcatagaaaa actttctaaa tctgtctaca 120  
tattcaccac cattgtcagt tctgtgcctt atgatctcca atcctgtctc attttcagcc 180  
atggctttcc atatcttaaa agccacaaat acttctaact tgtatttttag aaagtaaact 240  
cataccttcc tagagtgatc atctataaaa ctcataaagt attgtttgcc accaatggat 300  
gacacatatg ttggtgtaca caaacatcag agtgaacaag ctcaagtntt tccttcttta 360  
gggttctgct atctgtctaa aagctgactc tnttctgatt gccaaatatg cagtcttcac 420  
acatgta 427

<210> 7621  
<211> 467  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7621

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aatggatggc gcctcctctc acctcttttc ctttgtcttc cgctgcatct ccatgggtgga 120  
aaatcaccat taaaggatcc cattgaagct caaagatcca gcctccatag aagtcccaca 180  
agcaagcttc catcaagaaa taggagaaaa taatggcaca tcacacgctg aatgaattaa 240  
ttcanaaaga agaaacatat agtaagatta atgtacttgt tgcgataaag acttgaccag 300  
atgtgtcggc caagcaagga aggtctaaat tgccctacccc acttatgaaa cctcatgagt 360  
gggtacagga actgaagcat ctgcatctat aacctcctcc acacttacct ttacttggcc 420  
aggcaacaaa ggagtgttat gaacaatagt ggatccctca taaactc 467

<210> 7622  
<211> 410  
<212> DNA  
<213> Glycine max

<400> 7622

cagagcaaag gcagataact cttgccaaac accaaccata atcacagcgt tgtctcactt 60

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<400>	7623
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<210>	7624
<211>	333
<212>	DNA
<213>	Glycine max

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ttagttaaga	gacaaacaaa	aataaacata	tggcttgatt	catcaatcta	taaatgagta	180
atgttcttta	ctcagataca	tgtattacag	agcattttca	cagaaaattaa	gatgccaaact	240
agagtaattc	aatacatgta	ttttgtgggt	gttaaagtgt	ttttgtccta	cacccctgtg	300

gctatccttg cctctatcat cctatctagt ctt

333

<210> 7625

<211> 405

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7625

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tttcaaccct gaacataaat aattatctcc anatacctcg tntagattct aggagggcat 120

atagtttcag gcaaactctac cccaaatttg ggggagtgga actaattggg atgcanagaa 180

agagatatag catcagcaca cacaacagat aagttgtcat tttcaaaaaa aaagtgtgct 240

gatgtaacaa gggtaaaagc aaatgaaagt gaaaagctag tgagcaagcc aattgtatta 300

aaaagaccat tatgataagt ctaggatttg tgctctctta gaatctaagc ctttgaatcc 360

tagaaaaaca aataaattgt tctagccaag cctcactaca agcct 405

<210> 7626

<211> 452

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7626

ntatagaaac agcggtgagt gctccttgat atataatata gatgggggat tttctgcttc 60

atgatcacct gtaaacaaga aagtttgctt tattattcta tgtaactcat cttatctaaa 120

catttgcctt tcttgttttg atgattgtca tagactcata gtttttgcct ttgatataat 180

tttctgcaat catatccgtt ttaatagttt gagtttttca ataattggata tgcagaatat 240

tttcaaaata agttggtaga cacgatacat ttcatggaaa ttctcagttt gaaagatagt 300

gtggagagag acaccttctt ccgcaagctt ccaaatttag ctgagcaact tcctcgccag 360

atagtgttga agaaggtata tttctgtgga atttctaatt ataaactata gacggatcca 420

cctttgttat ccaanntttt tatgattctt at 452

<210> 7627

<211> 444

<212> DNA  
<213> Glycine max

<400> 7627

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attcatcaac agatggtatg gaaggtaggg ggaggggaaa aaattaaatt ctggaaagat 120  
aaatggttgg gggatgattg taaacttgaa cagcaatata atcagttgtt cctgattagt 180  
ggtcagcata atagtaccat ctggaacatg ggaagcttct ctcaaggcaa ttggtgttgg 240  
ggcatacagt ggagaatgaa tctatctgat tatgagcaac atatagttgc ggcatattatg 300  
gaagcaatta ctgatataca aatccagctt catatgcacg atattataaa gtacatattg 360  
agaagttctg aacttgcacg cggattaaag atcaactatg caaagagtag tttcggagca 420  
ataggaaaat ctgatcaatg gtgg 444

<210> 7628  
<211> 468  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7628

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catttacgtg gataaacttc actatccact tatatgaaaa gagaataggg taaattagaa 180  
ttttgttctt cctaataattt taaattcttt gattttcttg aattttaatt gtaacatttt 240  
gatcccttag tttgataaat tggtaatttg atcctcctga tagattatta acatataatt 300  
ttgattagtt gagttaatta taaattaatt aaaattatta attattttaaa aattaataaa 360  
atattattaa taatcctaata tctccactac actgtgctcc tcttcttgaa cgcaaataac 420  
tcttccacct tcattgtcac atgcaattac cacattaggg ttaatagt 468

<210> 7629  
<211> 439  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7629

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 acaaaacctc gagataagct tggaagattc cgctccaatt aaaggggtcc tctcgatgtg 120  
 ggatttcaac agagaattac ggcggtttgt ggcggccacc gatggttttg ggttgtggag 180  
 aagaagcttg tgatgttggg aaggggtcttg gggaaaagaa agggaaagaa atggttgctt 240  
 ttccactacc acacganaac aaagctcgca acactcaagt gtttttgctc tcgggaaaag 300  
 gaacatctct cacactccag aagtcataac gcataacaca atggtcagaa tgtggacagt 360  
 tgtcctatga acctcctgaa caaatctcga gatgatccaa cggttaacaa atgaaggagg 420  
 ggcaatttac cgagagagc 439

<210> 7630  
 <211> 324  
 <212> DNA  
 <213> Glycine max

<400> 7630  
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 accataattc aaattacacg agtgcaaagt taggggtctca aaattcacta agtctgccag 180  
 tataattctg atcacacatt tgacatcgcc catatctttg gatattggta aagtattagc 240  
 tcatggacac ttacagagtt ggctaaaaat gtgctattcc acatgtagac tgtgtgtcat 300  
 actacgaact catgcggact agaa 324

<210> 7631  
 <211> 399  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7631

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 gaatgcctct acttctatac ctctcagtag ctaacgaagc cgtcagctaa accctcgtac 120  
 aagatgatgg gaaacactag attcccatct attttaccaa ccgtgtcctt cacgatgtcg 180  
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acaagcaata tgtntagagc caccagggtca ttgatgaaac ggataatctt attagacaag 300  
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 atgacctcta atatgagcct cgtggcccca tgaagaccc 399

<210> 7632  
 <211> 378  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7632

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 ggcacttctc tctctttcga atttgcttaa gaaaattgtt tccgtgaaga aaatacaagc 120  
 cgaggcgctt ccgtaacgtt tccgtaacgt ttccgtgagt gatttcgcga aagatttcga 180  
 cccttcttcg acgttcttca ttcgttcttc atcgatcttc aggcttcaac gggtaagtac 240  
 ctcaaacc aa gcttttcgat tcattctatg taccctgtgt ggtccacatt ttgtttcatg 300  
 tatttttatt ctgcgttcat ttattttgta taccctcttt tgacgcgctt aagccattta 360  
 tttaagtcac ttctcgct 378

<210> 7633  
 <211> 465  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7633

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 aaattgggtg ttgagaagtc aacatttgat tcggtagagt tttcttcgta aaaacaatat 120  
 gagcaagttt agattaatgt tatagacttg tttgagatga gagtttgctc caaaattacc 180  
 ccattctcat tttcacttct cacaccttga aaatacacta aaatgagggg gtttagatac 240  
 ctatattttg agttgccttg gtctgaagct cgtctttggt ttagatatga tttatacatg 300  
 atttangact tgtaggacct aatttgggca aaattggatg aaggcaagag tgatttcgaa 360  
 aatctgcact tttatgcaga catttggtgt tgaaatgtgc agcagaattc tgtgctagtgt 420  
 caacaaattc ttatgcatgg ctggttgtgt aaagggttgt acata 465

<210> 7634  
 <211> 465  
 <212> DNA  
 <213> Glycine max

<400> 7634

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 agtgggtcaa gaaaaaaaaa gttgatcaaa ttcaatttat tcatctaaaa tgagtttgaa 180  
 ccctactgaa agcttgatg tgtatttcct tttatgggac aagtccaaat tagatcatga 240  
 ttagattgag aaaaaaaaaa gtatttaatt gattcatgcc caccatttcc tttggtggat 300  
 ctgggttaat taggttagtc acttactcaa tacagggttag gcactctgctt gtggtacca 360  
 gtgttattgc tgggacaccc agcggatttc aaaattgcc aataccctt ataaatagca 420  
 tgtctcgctt tcatttctac aatgcctttt attcgtaaatt ctcac 465

<210> 7635  
 <211> 386  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7635

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 aagagtagtg tcccactggt aaaactaact ttccaaattt ttgccttcgc aggaaatggc 120  
 cccgaggaag cttgcctcaa agaggtccag gaaggacaag gcagccgaag gaactagttc 180  
 cgctccggag tatgacagtc accgctttat gagcggttga caccagcagc gcttcgaggc 240  
 catcaagggg tggtcgtttc tccgggagcg acgcgtccag ctcanngacg acgagtatac 300  
 tgatttccag gaggaatan ggcgccgagc gtgggcatca ctggttactc ccatggccaa 360  
 gtttgatcca gaaatagtcc ttgagt 386

<210> 7636  
 <211> 322  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations



<400> 7636

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tggaagtgcg gtagacagac tttgtggttg atttaaggat ggcctttgcg gatgaatggg 120  
tggcgggtaa tgataagagc tgatattggc tgagtaatga tattgttggg ctggtgggaa 180  
gtttggccac gtaggaatga caacctcaac atgggttact tcctaattct catcctcttc 240  
atnngcccca gttttctcat tcatcaaagc aggatgatca aatntgcctc ttttcagacc 300  
cacttcgatc cttttgtcga tg 322

<210> 7637

<211> 430

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7637

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taaatacaaa atatatcatt tttattcttt taagtgttag aaacactgca ttataattat 180  
taattttatg tttactcatg tttttcatta tattcctcat tgtatttctg gtattattat 240  
gaatgaaatg tcttaagttg tctcctctaa aaaaaaagca aactatccac ctgctgcatg 300  
gctacaacac gattttcaac aattttaatt tcattttgct ttttatttta ttggattttc 360  
tatgttgggg gttttcagag gacaatgagc ccggatcagt gtcccaaaca tttttttacc 420  
tgcttccttc 430

<210> 7638

<211> 314

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7638

actatgatac taagctngaa tgaggaagtg tggaaagggtg agacttecta ctcttattca 60  
ttgaccacag agtggtagct ggagatatgt ctcggggggtc acgagacctt gaggacgtca 120  
tgtgggggtg tattgcccac aaccaagctt gaccaattcc gacccaaccc gggcgtaatc 180

agtcagtgag aacctgtgat gtacctaaac atgcaagctc ctgtcagtca accgatcaaa 240  
 gaacaaagac cacaaagcaa ggacgcttgt gtggtggctg gccagctgtg aatcttgagt 300  
 gatataatcg atat 314

<210> 7639  
 <211> 478  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7639

attatgaaat tgatgagtgt tattacgtct tgactctagt gtgtgattca tgtgtaatgt 60  
 gattggtgat tgaaaaatga attctaaatg ataaagtggg gaagtgatat gcattgtatt 120  
 aagttgagct atcttataaa tatttatata atgtattttg cttatgtctt tgttcactctc 180  
 tattttatatt aaaaatatga taactcactc cctatgtggt gtctgtgttt ggatcctgtg 240  
 atgatctcaa accttatgtt tgtgggagca tatgactagg tggatgactt taaataatct 300  
 cgtgctagag gatgctggaa cacaatgctc taataggatg tgacattggg gcatgagttt 360  
 ctgttttaat tgcataatgt ttcanacatg tattctactt tantttatatt cgctgcttaa 420  
 cttgagttct tttgtaatct tggacggcct tgtttgagcc ggagatgttt taataagt 478

<210> 7640  
 <211> 486  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7640

tntctagcct ggatgtatag atctagggca cgtagcttgt ctccgtaatt gctataatag 60  
 cactggccaa catcttaaac tacctgtcca cattattgcc ttcactggag aaggtgcaac 120  
 cgagcccacg tccctagaga agagctaaac agcaaccgca gtcatgggaa caaccatcac 180  
 tcttgcatth tacacatacc cgattatgag cgtgctacac cgagcagccg ttcgaagccg 240  
 tactggacag aatgtttgta cgcgagctta catagggact caggcactag aagtggactc 300  
 gttcttccaa atgaatacgg aagcctctgt tggcatcact gagcgctcac atatgctact 360  
 gtcatgcana cacaatcctt gagtatatac tcatgctcgg ctacatatga tggggctgcc 420

gcaatatgaa tcttactatg cgtaaagggt acgtntgacc tatcactttt gccacatcat 480  
 tgatecg 486

<210> 7641  
 <211> 399  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7641

tcaagcttag gactcattct ntaactgcca acagagagag atgcagtttt gctaagccca 60  
 gactagagta tcttggccac atcatttgtg gttttgggggt ggcagcaa ataatccaagg 120  
 tggcagcaat gagttcctgg ccagttccta aagattcgaa gagtttgaac gggttctagt 180  
 acagatgcaa aaaatatata aggtttattc tagaatgaat aaaagagggc ttggatttac 240  
 ttagttgagc cggttggtgg ttaacatttt acgcgaatat tacatgatac aacaatattt 300  
 aacatgcgct atcattaatg tcatatgacg catgcagagt tctgagtgga acaccgagtg 360  
 taacatatata gatgtgggggt atctttaagg ttttaaaaa 399

<210> 7642  
 <211> 441  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7642

tgctatanat aggggaagaa gtgaagaaga taagggttcag ccccttaggc acttctctct 60  
 ctttcgaata tgcttaggaa aattgtttcc gtgaagaaaa tccaagctga ggcgcttccg 120  
 taacgtttcc gtaacatttc catgagaaat tacgcgaaga ttctcgaccg ttcttcaaga 180  
 ttcatcgttc gttcttcggt ttcttcagtc ttcaacgggt aagtacctca aaccaagctt 240  
 ttcaattcat tatatgtacc cgtgggtggc cacattttgt ttcatgtatt ttcatctctg 300  
 ttctcattta ctttttatac ccccttttga cgtgcttaag ccatttattt aagtcatttc 360  
 tcacttaatc taaaaataaa ataaatttcc accgattgggt tgaattgtat catccggtta 420  
 ttctgggtaa aatgaattcc g 441

<210> 7643

<211> 437  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7643

ntagactcat agccatcatt aacaatctca tacatgtgaa ttgtcccgtc ttgacctcca 60  
 gtaaaaagga agtcccctgt atggcttcgt gccaaagcat aagtattacc aacatgagca 120  
 ttatgaacaa tggtcaccaa agtcccacat tctcacaaca gagtcatacc cagaggtaaa 180  
 tatgagcttc gcataagcca atacgaaaac attattaaaa tgtaagtgtg aatttgattg 240  
 cattactgtt ataacttcac ctattttctg ctttcattct tggatcttat aaaattctta 300  
 aatgcgaaac ttaatcataa aatccaataa ctatgagaat attcattaaa gaaagaagat 360  
 atcaatacat gggataagcc aacaaatata atatatatat ataaaccac ccaacacggt 420  
 gaacaagcta taataca 437

<210> 7644  
 <211> 269  
 <212> DNA  
 <213> Glycine max

<400> 7644

ttagagaaaa tagtgcataat gcactgtacg tgtaccgcgt tcttatacaa tccatcaatt 60  
 taaaatcgat atgtatgtta agtTTTTtatt attattatta taacacaact accttaaagt 120  
 tatacataat gtgatttatac tttgatctcg atgcacttaa aaaatgcatt gaaattgaac 180  
 tctaaatttt tattaatatt aaagaatgag ttcgaaacgt attactaata cttgtcttat 240  
 attgtaatat caacatcttg gacggacac 269

<210> 7645  
 <211> 373  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7645

tattaatggc tnggcagcan agtctgatca ttcacccata atcatccacc tgcattgggac 60  
 taatcgtaga agcttcatac gacaatttag atntgagaat tcttggcttc ttgagctaga 120

catggtcaat attgttgatc ttgcatggga accacaacaa acgagtgact ttattcacat 180  
aagatttcaa taccaggacc aaattgatat atgtgagcat gaattggagt agagaaagaa 240  
ttcaaagat gatgttaatg gtgaggccta ttggaaaca aacaacaagt tttgtactct 300  
tattgcgcta gaagaagctt attggagata gaggtccaac gtgttcttgt gacaccctct 360  
acctcgacat aca 373

<210> 7646  
<211> 295  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7646

gagtgaagat gagaagaaga agcttgaata gttgaatgta gaagttgaca acctctgcaa 60  
ggtgatcaag gatgttttgg gtgacaagggt tgagaaagtt gtgggtctctg accgcgttgt 120  
aaattcacca tgctgtcttg tgactggcga ataccgctgg accgcacaca tggaaaggat 180  
aatgaaggcc caagctctaa tggacaacag catggcaggg tacatgtcaa gcangaagac 240  
catggagatc aaccctgaga acccaatcat ggaggagctc acgaagcgtg ctgat 295

<210> 7647  
<211> 463  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7647

tctatataag ctgaaccatn ttatcaagta acacaagttg agttttattc agataattag 60  
agtatatctc tttgatctta gtgagagtga ttctcctaaa ttcttgagtg attcaagaac 120  
acctgactg tatcaaagga cattcacaac cgaagtgtgt tgccctcgct ggaaagagtg 180  
attctttcct tcctctcatc ttcacccttg ttctttcaaa ccacaattcc agaacattca 240  
cctctgcccc gaattatctc gtggccataa ctcccatttt acgcactcaa cataagtgat 300  
tcttgagcct aaattgaatc tcaaaacgag accttgacac tcgttttggga atgacctcat 360  
ntggagccct gtagcttccg ctcttgccat ttctatatatt ctgtccagcc accacttaac 420  
ctactgtcta ccattccatt catccatttt atgccaagaa cca 463

<210> 7648  
 <211> 549  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7648

cgcacgagga tgattgcnat gcatgtncgt gacgctacac aatacatcag cttagctagt 60  
 cataagggaa ttctgtcact tacatagttc gcgagcactt gttgagatca aagcaattac 120  
 gagtatatct cagaccaaaa tgaatgtgga ctgagatcgt accttaccat cttgtgttgg 180  
 agatatcgaa actgtatcag acatggatac taaggagcac gagcatacac ctcaagacga 240  
 tcacccgtct ggaagcacca tatatgaaac tgttatgcga tgacgttgct catcatggac 300  
 aaatgccttc gacccatcat acaccatata ctagagtcgg tccatcttga tactagcatg 360  
 tagcacactc ttctattcct ttcttcgaga tgcttgaggg tcgaaactca cgcaattttg 420  
 cttgcgacgc ttctnctact tctactccac catagggctt ggcatatgag aagaagagtg 480  
 tgttatatga caatggcgac caccacaggg aaatgcagca ctgacgacac tttctgctta 540  
 tgatacatt 549

<210> 7649  
 <211> 509  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7649

tactaagctt gaggtangag aagatgagtg gagggagagg gagagaaggt gtgctcatat 60  
 ttatgcctta aatgaggtct gaaattcgaa gtctaatttc tcaaatgatt aaaggtgaaa 120  
 aaatgcacac acaatacctc tatttatagc ctaagtatca cacacaattg gagggaaatt 180  
 tgaatttgta ttcaaatttc actggaattt gaatatgaat tgggtggagcc aaattttcac 240  
 taattatgat tagtgaattg tggttatggt tcaaccact aatccaagat caagttcaag 300  
 attctccact aagtgtgctt aggtgtcacg agacatgtta aacatgaagg acatgcacaa 360  
 agagtgactg tatgatgtga caatgtggtg tatcaagaaa atgctcattt ccccttata 420  
 atgggtccaaa atttaattgg attgcgcttc tcccaattta attaaatnta tcctccaata 480

cacacacatc agatagtgc cttaatgcg

509

<210> 7650  
<211> 478  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7650

tactaagctt agatcatcct tggatatttcc attatcagtc aacagactca cctaatagaa 60  
accacgcca attggttaag aatgctttgc tactctcaga anaatcacia taatctaact 120  
gtttttttct tgctggatgc ttgctttttac actaccagtt agagttataa tatagcattg 180  
ttttacttgt ttaaataaac caagttatat ttagtcaact tcacaaaaat atcatgttgg 240  
aagtgcgccc aatgccattt tatcttggat tataaaccg aaaggagaaa acaaaacaaa 300  
caaataattac tatcttgaat tgaatgtaaa ggtttttgtt agaaattaaa aaaagagaag 360  
aaaagtagaa tcaataggag atattcgact ttctccatgt tatggaagcg tgccagaaga 420  
ctatntttat cttctanagc aaccttcaac aaaagataat ctcagttttt agaacatg 478

<210> 7651  
<211> 218  
<212> DNA  
<213> Glycine max

<400> 7651

tgacacactt caaggtaacg ttctcctctg ttctcttgat tacgagcgcc ccttctctta 60  
ctctctctct atgtgctttc gctccattga acctgtatct ctaagcttct tgtccaaggc 120  
actgtatcgg aggagaagct ccttcttcca tgacttattc cctagtggat ggcgccatct 180  
ttcatctctt ctcttttate tcccgtgca tcttcatg 218

<210> 7652  
<211> 417  
<212> DNA  
<213> Glycine max

<400> 7652

atacatagca tgcacgaact atttcagttg agaccaatta tgagtatata gcagctcgat 60  
gagaatgtgg actgacaagg agcccgacct tcttttgtgg gagataatga aagttttaca 120

gccaaggcac ctcaacagca tgagccagaa ccagaaaacg atcactcatc tgaagccacc 180  
 atctctggag ctgtgatcca atgatgctgc tcatcatgga ccaatgccat cgtcagctga 240  
 tgcaccattt ccaagagtgg atccatcttc acctcagcac gtagcagact ctttcattcc 300  
 tgtcttaaag atacatgagg ggccagacca taccaattct tcctttggac acttctccta 360  
 catctactcc agtatggcgt ctaacagatg agaagaatat tatgttatac gacaatc 417

<210> 7653  
 <211> 425  
 <212> DNA  
 <213> Glycine max

<400> 7653

tctagctgag ttggtttggc cctttgatga ttattgtgta tattgaccaa ctgccctatc 60  
 ttttacttgt ttacaaatat atatttgatg ttggcatgca catttattta atgtaattct 120  
 tttgatatgt gtagatagag aaaggtgcat gctacatatt gtttaaaaat tttagaagcc 180  
 cagtaatact gcatgataag gatgcaggtc ttaaaattct aatgaaaggc aatggccta 240  
 tgttcatgat taacatcttg caagcaatgt gagatatgct tatttttcat gttttatgta 300  
 tgcattttta caatttttta tgttggctct aaatgtagtt gttcacgagt tacaagagca 360  
 acatgggtgct gattctaagt cacttaatgt agtgagatgt acatatatga atcaagatgg 420  
 gatca 425

<210> 7654  
 <211> 464  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7654

nggtgcgtat gatntatatg ctccagcttg aggaggagtg tttaatattc taatatttat 60  
 ctatgttagg tagcttagtt ggtaagtttt attcagaagg cagcactgaa ttgtcaccgc 120  
 caatagcctt ctctctctct tgcgtcttga atatatgtat cattttgaaa tcaataaaag 180  
 ctaagagaga aagagtgaat ttttccctta actcacctca gtcttcaaga agtctatata 240  
 ttcttcattt gttaatatat atacaaatta atactacctc acacattcat tatatttgta 300



ttaattattg aataattctt aaatgaggaa attacattat atatgactaa ctagggaaaa 360  
 ataaaataca aacattcttt tggtttaatt aaagggagaa cagaanaatt ctctttcttt 420  
 ctctctactc ttttaattcaa agtataatat atctttctat tctc 464

<210> 7655  
 <211> 311  
 <212> DNA  
 <213> Glycine max

<400> 7655

ttcgagtgtc tcgatatatt acttgactca atcagacatc cgagttaaaa gttattgtcg 60  
 tttgaaattg ctacgagctt ccgttatcaa ttgcgagcgt ctagatatac taacggacac 120  
 aatcgtacat ccgacaacaa agataatgtc gtttgaattc gtcagagct tgcgttttat 180  
 atttctgagc gtctcgatat actacaggac tcaatcggac atccgagtaa aaagttatta 240  
 tcgttggaat tttctaggag cttctatctt taatttggag cacctcgatg aattgccgga 300  
 ctcaatccga c 311

<210> 7656  
 <211> 308  
 <212> DNA  
 <213> Glycine max

<400> 7656

tctcagcttg tacacacgca catctttttc gtgattattt agtttattac gagtatactt 60  
 gcgcaaaata taacctccga aaagtatgat agaattaaga atattgttta cacaaatagt 120  
 gagatataac cactctatgt cattgtatta atataaaatt gatggacaac cgccaatatt 180  
 gagaactcta tcgaggatat aacattaact acacgtgttc caacataaat agagataccc 240  
 cacgattatc aaatgcaact aataattttg agatatggag cacatacata tgcgtagaa 300  
 atagatcg 308

<210> 7657  
 <211> 350  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7657

gtggtgcatg tgaactcgng cagtaacaat ttgtctggng aaattccaca ctccatggcg 60  
 tatctgtctc aacttgagtc tttgctgtta gacgacaacc gcttctcagg atatattcct 120  
 tcaacactgc aaaattgctc tacaatgaaa ttcatagaca tgggaaataa ccaactctct 180  
 gacacaatac cagattggat gtgggaaatg caatatgata gaaatgtgat tagtgaagag 240  
 gggcctatgc caaggggtgtg gagagcttat actacgaaac agacaatagg aatgaaagat 300  
 gatgacgtgg ctgtgaacgt atgagagtga ctatatatag ctattgctgg 350

<210> 7658  
 <211> 165  
 <212> DNA  
 <213> Glycine max

<400> 7658

ctgcacgcat gcaagcttga atgcgttttag accgacgtga cttatattct tatggtggta 60  
 gctgtgatgg tttcacattg tgggcccagg tgatggctag aaccactgtg ttgctggcgg 120  
 aatactatgt cagcactggc agttccatta ttgtcaccca acgca 165

<210> 7659  
 <211> 336  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7659

agcttgcctt gccccttgat atattagagg gactcatggt cactatgaat gacaaattcc 60  
 ttgggataaa ggtagtgttg ccatgttttc aaagcccgtg ctaaggcata caactcctta 120  
 tcataagttg aatagttaag ggtaggacca cttaactttt cactaaaata agcaattgga 180  
 tggccttctt gcatcaacac agccccaatc ccaacatttg aagcatcaca ctcaatttca 240  
 aaagattttt gaaagtgtgg caacgcaagt atggnggcat tagttagctn ttgcttaaga 300  
 acattgaaag cttcttcttg tttctctccc catttg 336

<210> 7660  
 <211> 450  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
<400> 7660

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atggaggaag ttaccaggtt gccaatcagc tggaagagtt caatctgctg cactttctct 120
tatatgtgat agagaaatgg aaattgatga atttaaaccg aaggagtatt ggactgtgga 180
ggttcaaatg aaaaagaaag agctgagatc aaacaagaac cttacttttc ctgctcactt 240
gacccatttt gattcaaaaa agttgaataa gttttcaatt acttctgata ccgaggcaag 300
agatattcga agcaatataa actcagctga ttttcatgtt gttagcttga aaaanaacaa 360
aagtcgaaga aatcctccaa caccttatat aacatcgaca cttcagcaag atgctgcaaa 420
caagttgcat ttcactgcaa gtcacacaat 450
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<210> 7661  
<211> 493  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7661

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gccatgattg aatcatctga cncggatctt gaagtcgttc tgcagctgcy acttaactgc 60
cgaggttcaa ccggttattg agctgcccg ggtgttaaat gagatatggc tacgtggagt 120
acatgagctc acttggagtg gctacatggg atggcggggtt tatgcacacc ttgtggatgt 180
ggaaaacttg ttgtggacca ttctccgacc gtcacttatt tccacatgtt atgggttccc 240
catcatcctg caagcttgat atgaagaagt gtataacggt gaaactttct gcttttatgt 300
cgtgaccaca cagagtgacc tgcagatatc caacatggcg ttatgagatc ttggtgacac 360
aatgtgctg ctattggcca taaccaatct tggacaatcg ccactcacgc cggccttaac 420
agtaattgga acctgtgatt tacctaaaag ccaactcctg gattctccta ttataggaca 480
ccacaccccc ccg 493
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<210> 7662  
<211> 470  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7662

agcttataag gtttgggaaa tcctcacctc atgagctagc ttttaggatt gagttatggt 60  
 taatctaact tcaagatgga atcggagctt accatggata tgatagttag ccatcttcaa 120  
 ctgtccaaag atctacctgg cctcacagct ttcccaatgc aatatattaa aaaagttcta 180  
 caagctccat gccctagatg tccaatccta tgcgtaaggg gagtgtaag atcccatc 240  
 gactataaat atggccaaag tagaacaata atttttacct catgagctag tttttgtgat 300  
 tgagttaggc ccaacccaaa ttcaagatga aataatatgc tntactgaag tgttacctat 360  
 accatgatcc tctttgggtc ttcttgaatt gataaggaac atgaatccct cattgtctag 420  
 ggaaaaagag gggattctga tccacatatn tgacgttcat tgtcctcatg 470

<210> 7663  
 <211> 534  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7663

tggaacatta ttgaaatcga tctcgtaccc cgngatcctg tanaccatac ttgancgcgt 60  
 gcaagcttga attgactgtg gctgcagctg taaactgctt actacttatt gcaaagtact 120  
 agggattttc gtaccgttgg acctgtatca tacttgctgc tattgcatta cctcatatgt 180  
 caaggatgtg cacatttctt gatttgaaca catcatctat aacatttggg ataatatgaa 240  
 ccaggcttcg tgtgaaagcg gcccttttca gtatgagcac aattgccata aagttatgtc 300  
 tactgactta atctcaggcg actactcaa tgggatggat taagtgaac attgatgggt 360  
 caacaaataa gtgtctgggg ccttcagcta gcgggggaat ttttcgtaat tctaggggtg 420  
 ctcttttggg gtggttctaa aactgctaga tacttcacat agcgtctatg cagagtngca 480  
 ggnngatatt tactattgaa aaacacaacg cagaggtccg attaattatt gttt 534

<210> 7664  
 <211> 217  
 <212> DNA  
 <213> Glycine max  
 <400> 7664

agcttatctt atggatgctt gcgatatggc tacttattat aattccaagc aacttctggg 60

cagtggaagt aaccgtgttt gtcaagcaag gcacaacaat ggaaaggaac ctgggccaga 120  
 acttgcataat accaacagcc ctccatgga actttgtgga ggacaccatt ctcatattgtc 180  
 tccccattta cgaacgttac tatgcacat tcatgcg 217

<210> 7665  
 <211> 284  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7665

agctngtgaa gattgatggg gacccggtgt tgatataaat gaggatatgg gctacgtggg 60  
 agtacgtgag ctacagttgga ggtgggcaac acgggatggg gggtttatgc gcgcattgtg 120  
 gatgtggaaa acttgttgtg caccatcgcc cgaccgccac ctagtaccac atgtgatggg 180  
 taccataa tctacaagc ttgagatgag gaagtgtaga aggggtgaaac ttctgtcttt 240  
 tattcgttga ccacagagtgt gtacctggag atatgtcaca gggg 284

<210> 7666  
 <211> 315  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7666

agcttgtaat ctattacaca catactgtaa tcgattacca taggagttnt tcacaaaaca 60  
 ttctcaacag tcacatcttt atatctgatt cttaagtggc catcaaaggc ttatatatat 120  
 gtgactagag aactaattt tatcataagt ttccagatca aaaaggctta atcctcttaa 180  
 aaagaaaaat ccttttatcc tcataccaat tccttggcca gaacactggg gactcaataa 240  
 agaattattt gagggtcaa attgttcaat ctatctcttt taacagagat ttcttctttt 300  
 cttctctca ttctg 315

<210> 7667  
 <211> 387  
 <212> DNA  
 <213> Glycine max

<400> 7667

agcttcggtt	aatccgcaga	cgaaattccg	ttcgcccaac	cgattcctaa	ctttccggtt	60
gttcaggaac	gacgtcgcac	catcccagag	tttgatcaga	tgggtgaggc	tccaccggcg	120
aagcatatac	ccgcgtggct	accggctttg	cccgatcctc	acacgtatat	tcacacaccc	180
gtgtgggatg	aaagaatctc	tgatcctcgc	gaggataaga	ttgaacaagc	gaggcagcgt	240
aggaaaagctg	agaggctcgt	gttgagtttg	cagaaacggg	tgttgctgcg	taatgggtcg	300
gtggaagcaa	gtgcaataac	atcatcttca	ccgaatagtg	ctgctttgga	tcctcaagtg	360
gttggtgagg	atgataaggg	tgttgat				387

agcttctctcg	gggccatttc	ctgtgaatgc	aaacatttgg	aaaggtagtt	ttaccaagaa	60
atgtctactct	taaaacacaa	atggcataca	acctccttta	ataaacacaa	acatcaatgt	120
aaatttagaa	taaactcatg	cacatactcc	cttacgaacg	ttcacttgca	caagatatct	180
tctaactaaa	aaaaatgcac	ccacgcacaa	tcaaggcacc	ttcgtcacct	agaatattta	240
tatgtacttc	cgacgtgtat	ntagtaccta	catcacatgt	actttcttgg	ctaaattaca	300
ca						302

agc	nttggg	tgc	anttggg	cgc	ctatntg	aatt	ccctac	gct	gtcccta	tata	tata	60
aac	cagccc	aca	atccta	att	tacaaa	tcac	attcat	acg	tattgg	ggc	atttcac	120
cga	gcacttg	gtg	ggcgcat	gtt	tagacat	aaat	tgaag	aga	atggggg	caat	gtggca	180
tgc	cccat	ttc	agaata	cac	cataggc	cta	aggcctt	ctc	acacaaa	tcct	taactc	240
aac	aaatcaa	gcata	aaaaag	caac	ccaaaaa	ctg	ccccaca	agc	atgagca	tgtt	ctcaca	300

atttagagca ccaaaatgaa caaaatgcac caacgaaaag caaaaaactc aaggatngaa 360  
tacttacttg ttggagttag taga 384

<210> 7670  
<211> 286  
<212> DNA  
<213> Glycine max

<400> 7670

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acattgaatt agagcttgaa ttacacaaaa atattacttc aatcagtaca acatccatta 120  
accaaggccc gattttgtag gtgtataaca atgtcaatta tgtacaaaag tcaagtaatt 180  
aaattccctg tacgtaaggg cattcatgag tgacatgagg ctcatgtgtg ttgttattgt 240  
ctttgaaaat tattatatct tttgttcatt tgttttcatt atttat 286

<210> 7671  
<211> 411  
<212> DNA  
<213> Glycine max

<400> 7671

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tggaagagct tctcctaaca gggtcagaag cataaacaac aaccttgaaa caatagtgat 120  
aatcaaatga gagatgatac atagcagaca actcaaaaat agtgagtgcac tgagatatca 180  
tggttggtga gagcaacttt aattccctta aaataatttt tcagaaaaaa gcaacagttg 240  
catcacaat tgtgaagttg aaggagctga tgtggcaacc aattatatgc aaactgttcc 300  
ttttataaga ttcaggtgct tatcaatgaa aaaggtaata agataaaaca acagcgtgga 360  
agagtgaata tgggtgaaaac acaaaaatag tgtgctagat gtgggataac t 411

<210> 7672  
<211> 385  
<212> DNA  
<213> Glycine max

<400> 7672

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actattttta tcagaacatc actatatgga aactcgctac acctctaag ccttcagaca 120  
ctcctgcctt ttctattgat ctctcatcag accttgatta tcccggatgat aactatttaa 180  
tgaagctaga tgaagatatt gccgaactcc atggggagaa aaagtaaaat ctagagctag 240  
cgacatcatt tgaggggaat ccataaagcc taaagaaagc atcgattcat agggagtttt 300  
atatttaaag ttttaattct ttctttccct gaagcttctt attttgtaat ctaacacata 360  
atcgatgtga caactcttat atgaa 385

<210> 7673  
<211> 399  
<212> DNA  
<213> Glycine max

<400> 7673

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caactgcctt tggggtgata aagatacgta atgcttctgg tatgttgcca acatacacta 120  
tatttgcttg taaagcatag gaattgtctc atattttaca agataatgaa tctatacgag 180  
ttaatgagag agagcaacta gaaccacggg aatgaaaaaa taaaaaatat aaaaagccac 240  
acaacacaag aataaattct ccccttcgca ggtaaataa taaattatat atagagagag 300  
agaattattg gacatgacag aaaatataac tcaggtaagg atgattatat ttctccttg 360  
aacacacaat attgctattg aacaataact atataactg 399

<210> 7674  
<211> 441  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7674

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ctaagctcac cttcttgaga tgagaagcta gagcttagct acacacctcc tataatagct 120  
aagctgaccc catgaaaata caaaaaaaaaa tccctactac aaagactact taaaatgcct 180  
cgaaatacaa ggctaaaacc ctatactact agaatggcca aaatacaagg cccaaacgaa 240  
ggaaaaacct attctaatat ttacaaagat aagctggctc atacttagcc catggactcg 300  
aaatctaccc taaggctcat gagaacccta gggcattccc ttgaatctct ggcccaattt 360



acttgagtc ttctatccaa tgccttgcg gggtaggatg gcatacacaag taccctccac 420  
 ttgaactgat ccacaagaga t 441

<210> 7675  
 <211> 239  
 <212> DNA  
 <213> Glycine max

<400> 7675

agcttcaaca tcagaccact tccaggggtgc tggatctact tcacatggat ttgatggggc 60  
 ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tgttggtgtg gatgatttct 120  
 ccagatttac ctgggtaaac tgtatcagag agaaatcaga aacctttgaa gtattcaaag 180  
 agttgagtct tagacttcaa agagagaaag actgtgtcat caagagaatc aggagtgc 239

<210> 7676  
 <211> 327  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7676

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 tccagaagca accgtcttct ggagggccca agtgggcctg gttgctattt gcatcccat 120  
 ttttactaaa tacaccccca actttttttt gtgcttcttt tttcgtaaag ttacggaaac 180  
 ttatgaattt cgtaacgata cttgttttct ttccgtaatg ttacaaaacc ttgcggattt 240  
 cataatcatc cattttntga cttacggaac attatggaat ctcacgaatt gtgcaacgat 300  
 gcttcctttt tgatttctgg tatgtca 327

<210> 7677  
 <211> 331  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7677

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 aaattcccaa acacaaccaa tttgagttca caagaaaaac cctcgttacc taagctttta 120

agagatccac acccaanaag gaaaagatga agccttagag ggagaatgaa gttcacaagc 180  
tcacaatgtc ggcacnaata atttggcttc cttcctctct tgtctntgcc anaaaaaaca 240  
aatggagaag ggttgaagca ttttctcttt tttcggataa ggttgggagg ttagagttag 300  
tgaggaacaa attgagagaa tcgatcgtgg g 331

<210> 7678  
<211> 357  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 7678

agctttgagc aaattcaaac gacaataact ntattatcgg atgtccaatt gagtccccta 60  
atatatcaaa ctgctccaaa ttgaaaatgg aagctcgtag caaatttaaa cgagaataac 120  
tttttactca aatgtgcat tgagtcacgt aatatatcga gacgctctaa attgaaaacg 180  
gaagctcata gcaaagttaa accgtaataa cttttaactc ggatgtccga ttgagtcctg 240  
tgatatattg agacgctcaa aattgaaaac agaagctctg cgcaaattct aacaacaata 300  
actttttact cggttgtccg attgagtact ggtatatgtt gagacgctcg aaattga 357

<210> 7679  
<211> 402  
<212> DNA  
<213> Glycine max  
<400> 7679

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tagccaagga taagttgtcg cttactgatac aggctaaagc ttagccgaat tcatatcgaa 120  
ttgaagttag cttagcttat ccttggccag cttagtggac caaatcagcc tcaaagtcaa 180  
gggttggggg ctaagcgctt gagactctac gcttagcgca tgaccaaaaga tgcgcttagc 240  
acgaagttgg cgcttcgcaa aaggactgtt tttcaataaa tggtatataa gttatTTTTc 300  
agtccttcc tcaacaaatt gaaaccata tatctaacaat tcaaagatag gttgatatac 360  
tcctatgtat agattatgta gcaagttccc aatgatctaa tg 402

<210> 7680

<211> 407  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 7680  
  
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 acaggcacia taacctttta attttatacc aaaaggatta cccacccgca taagctgttg 120  
 aacaaaaaga gtaatatcct ttccaacaat atgaatcgat ttgatgctac tccaataac 180  
 atagccatct gtaacaggta caacaggaat cgatttcaa tgtcttcatt taccggctca 240  
 gcctgtgaga ctgttgccat gttcgacgat tccccatgac atatccattn tatgtaagtc 300  
 ggaactatcc catcacagat aagatgagaa tctatgttct ttacttggtg tcgtctccca 360  
 tttgatagct gacacataga caaaatattt cccacagag atagaca 407

<210> 7681  
 <211> 381  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 7681  
  
 agcttatagg atggctgaag atcaacctcg cagagtcact cttgaggact actcaagctt 60  
 tactgtgccg caattcttta caggtattgt gcagccagag gtgtaggcac acaacatcac 120  
 ataccacat tctttaattc agttgataca atggaattta tttcatgggc taccacacga 180  
 ggacccatat gcatatttga caacatatat tgagatatat aatactgtca aaattgtcgg 240  
 tgtgccagaa gacgcgctaa gcttgttttc attttacta tccagtgaag ccaagaaatg 300  
 gctacactca ttcaaggga acagtttgaa gacttngat gaggttggtg aaaaatttct 360  
 gaaaaagtat tttctgagt c 381

<210> 7682  
 <211> 331  
 <212> DNA  
 <213> Glycine max  
  
 <400> 7682  
  
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ccctaattggg gggatacggg gtcgtcacac aaatctacat caaatatggt gtcgccttca 120  
 agctttcagc atagcattgt tgttcctact tttaatcttc cttgacaacc atgatatctc 180  
 ccatcaaggt ggggactttc atcttgagat gtatggagat gatgactcct agctcgtttg 240  
 gtgttttctt gccaatcaaa gcaaagtagg aggtatttgc accaacaatt aaatacctaa 300  
 ttgtgaagct ccttgagaga tggccttgat c 331

<210> 7683  
 <211> 524  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7683

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 aaacctatag cataatcact tgcacgcac attaactcaa attcttgccc ctatctggtg 120  
 ttgtaattac tgggtgcaaac actaattntg ttttcaaact attaaatgct ctcatacatt 180  
 cttcattgaa cacaaaagca acatctttat tcaacaaatt gctcaacagt ttggctactt 240  
 tggagaaaac ttttatgaat cgctgtaga accctgcatg tcctaagaaa cttcttattc 300  
 ccttgacatt caggggagga ggtagtttct caattacatt gtccacctct ttccctctta 360  
 cttgaaattt atgccccaac actattcctt cttgaaccat gaaatgacat nttctccaat 420  
 tgagaactag attagaatct tcacatctct gtatactctn tcaagggtga taagcagcct 480  
 tcaaagatgg cccaaaatag agaatcgta tgaaacctca atgt 524

<210> 7684  
 <211> 375  
 <212> DNA  
 <213> Glycine max

<400> 7684

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 aaaagtattt gcttgtttat tctttcattc ctaatttttt ggtaatttaa atatcttggt 180  
 ctgtcactga gttgtttttt tttctttgat ctctttttat gacttgacag tgtagcatag 240  
 atgcactttt ggaacggacc attaaagcata tgcttttctt acaaagtgtg acaaagcatg 300

ctgacaagct gaaacaaaca ggggagtcta atgtatggga cagtatccac tattcactcc 360  
cgtgccttct acctt 375

<210> 7685  
<211> 422  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 7685

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aactagctt tgggtgccac aaatcacttt ctgattagaa ccttcttaac atttaaagat 120  
cttaatgcta ttctattttc atgcaattgg gaaccagtcc tttttaggaa ttntaccggc 180  
aacttttttt tttgctcttt tttgggggag ggaaggactt tggtaatcat tgatgcagtt 240  
ccagcacaac aatgatgctt ggttcagcta aaagttcatt gaattttcca gctagggtgtg 300  
agctagtatc agtttatata agaacttgtg tatacatttg gagcatgcc aaaaatggggt 360  
tacttcaatg ctcaagtgcta ctattttaaa gtgcanaccg catcacgtga tgtaatctat 420  
ga 422

<210> 7686  
<211> 336  
<212> DNA  
<213> Glycine max  
  
<400> 7686

aacaacactg tgacaaaaac aactgttaga taatagcatt cagataacgc taagagggtga 60  
tatctaactg atacgaagct ttcaaataat acttatgtaa tcaagtgtta tttggttgtc 120  
atcatcattc aacacttatt tgaacaagag ttttttaaat tttagaagaa aataacatat 180  
ggcattagct acacacagtg gtttatatag tcattacaat tttaggttta gtactcacta 240  
tttcatctag ctatcttgag tcctgtgtt ccctcgacc gataacctgc ccctctaaac 300  
gcctcattca aatgacattt accacttact acacat 336

<210> 7687  
<211> 216  
<212> DNA

<213> Glycine max

<400> 7687

agcttataga ttatataata aaagaacaat gacatttgaa gagtctatac atgtttcctt 60  
tgatgagtct aatgccattc ttccaaggaa ggatttttta gatgatattt cagattcctt 120  
agaagataca catattcatg gaaatgactc ttaagaaaaa gatgaaggaa gcaatgaaga 180  
ttctcaagat aatggagtta gaacaaataa tgaact 216

<210> 7688

<211> 273

<212> DNA

<213> Glycine max

<400> 7688

agcttataga gtatataata aaagaactat gactattgaa gaatctattc atatttcctt 60  
tgatgagtct aatgctattt ctccgagaaa ggatatttta gatgatgttg cagaatcttt 120  
agaacaaatg catattcatg gacaagattc taaaggaaaa gggaaatgaa gcaatgaaga 180  
tcctccagaa gaagccaaat caaatgatga acttccaaaa gaatggaaag cttcaaaata 240  
tcatccccctt gacaacatta ttggtgatat ctc 273

<210> 7689

<211> 362

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7689

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aacggaagct ctcgagaaat tcaaattggtc ataactttta actcggagggt ccgattcatg 120  
cgcataatat atcgagacgc tcgaaattga acaacggaag ctctcgagaa attcaaattgt 180  
tcataacttt tcacacggag gtctgattca ggcgcataat atatcgagac cctcaaaatt 240  
taacaacgga agctctcgag aaataccaat ggtcataact cttcactggg atgtccgatt 300  
caggcgcata atacattgag acgctccaaa ttgaacaacc gaagctctcc acaattcaaa 360  
tg 362

<210> 7690  
 <211> 396  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7690

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tgtgttctta gcacctaaagg cgcgtctcat aaaacgagcc catgcatggt aattagagcc 120
atntagcaca ggagtgactg ttacagacga aggtccatct cctacatgaa cataatacgg 180
gctggaagga tcttgcatg gatctgcaag accacctcca tgattgttgc cggaaccacc 240
tggaagagcc atcagagtta cgcagatatg gagctagacg ctctgtgata ccatgttaat 300
aaatgaatat aaaagcaagg aaggagacaa tatggagaaa tgcattgaca ctcaattcat 360
ggaattacat caggctgatg cttgttattt atatga 396
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<210> 7691  
 <211> 442  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7691

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ggaagggact aaaaattgaa aaatgattaa aatcaattnt agtgctagca aaactaacia 120
atgacttatt tttccattg aaccttcttc atgggatctc caatcacaaa ggtaagggtt 180
acaatcattt gcttgttttt aagtggccta agtctcatc ctctcgatgt ttcaaaaaaa 240
gaatttcttc actagggggtt tcagtcagag gatcggtga attcattatt gatttcacat 300
aaataaaata ctcccatatt ttaagtaatt gctttaccaa aatatctctt cattttttga 360
caatcgcaac gtacatatag aatatgcact ttcctatnaa ggaacacatt tgctaagaaa 420
ttttttacat aatcaatctc at 442
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<210> 7692  
 <211> 315  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations

<400> 7692

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aaatttagaa taaactcatg cacatactcc cttacgaacg ttcacttgca caagatattc 180  
tcctaactaa gaaaaatgca cccacgcaca atcaaggcac cttcgtcacc tagattattt 240  
atatgtactt ccgagggtgta ttttgtacct acatcacaat gactttcctt gcttaaatta 300  
cacacacgca tactc 315

<210> 7693

<211> 428

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7693

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taatgttaat ataataatatt attttagata aaataaatta ttatattaac atgagaaaac 120  
ataaataaaa ttaaagaaaa aaataaaaaa aatagcaact aaaaaaggga aaaaatcacg 180  
tgtgggttaaa atttaacaaa aaaacattat gatgggtttgt atttcttaat ttaatgaatt 240  
attttggatc gatttangtt catattactc atatcgatga acactctaca taaaaattca 300  
attcatataa ttaaacttg aaaaataaaa atcatataat tatagtatga tgagagacca 360  
aaaatataat taatcaaaaa taaatataaa gggattacc aatcactctc atgataattc 420  
ttaatata 428

<210> 7694

<211> 469

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7694

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gaccaagctg aaccaaattc aacagtgaga tgccatcataa ttataatgaa acacatatga 180



caaagtttaa aataaattca attaaacaca ttttgagttt ataggaaatt tagtgcattgt 240  
 ttgtgggtag tttctgttca gttcgaacat gatgatgggt ggagacttgc aagctntatt 300  
 tgggtgagtg ttttagttgc ctgatcatga tggacttcta tggttntgta actagtggta 360  
 cgtgatcatt tgtaaattt ttacgcttaa gtaagatata agtaaaatta cacttgtatg 420  
 tgggtcaatt agtaaaaata tgcttttttag cgtatgtgag tgcatacata 469

<210> 7695  
 <211> 415  
 <212> DNA  
 <213> Glycine max

<400> 7695

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 atgggcctcg ttcataactt ttactagcag agcccgatga ggctcggagc tcatgagtaa 180  
 ctccaacagc gagaccctgg ccggagtttt gttgagctgt tcgataacct tgaattcgct 240  
 ctgctgaatt atacggagga actcactggc ttctcttagc gacacctcct ttttaccatc 300  
 ctttttctcc ggaagacctt tcgccggaat atctttattc gaagcgtggg gtgcttcacc 360  
 atcttgctcc tccaccactt ttcctttccc cttgatgttc gcggggttga ctggt 415

<210> 7696  
 <211> 472  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7696

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 tttctttgat agcccccttg agcctatntt cccctttctt tgttntgaag ctgagtacaa 120  
 gccttaagtg aaaaaccatg atatcacctt acccttaagg aattttggaa ttgttttggg 180  
 aataagctgg gaataagtgt ggggggggtat gtttcattga aagatatgat ttttggccat 240  
 gcttaatggt ttattttggc catgcttgat gtatatatat attgccttgg tcttttttta 300  
 atcttcaatt tcgtactgtt caataaaaaa atacataaaa aatgaaaaat aaatgaataa 360  
 ttaaaaaaaa aatttagttc ctgcaaattc tgcaatttcg tacttttttc aaaaataang 420

aagaagaaga agaagacgaa gaagaagaag aaaagaagtg aagttgaata aa

472

<210> 7697  
<211> 363  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7697

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tccagaacaa aatcttctag aatgtcttca aattccttcg ctgttaaggc aacaaatctt 180  
acatcctcaa ctangtttgt tntatgtttt ttagcagata aagcctccac agaaactatg 240  
atgacttggt ctatntttga agcttacttc ctttccaagg tctgatcaag tttttccttc 300  
ttccttgatt tagccaaggg attcttatta gcctttccca aggcaacaac ttctttttta 360  
ctt 363

<210> 7698  
<211> 228  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7698

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ccgcccgtca gcgtgactca aatgtgagta tgacagatct tgtgatcgcg gaagatgacg 120  
taaactctcg cgtgtcaacg ggcttgtctg ccgcgattga cgaacggcgc agaacacgac 180  
attagtctct gcgtgctatc aggcttttcg tcttacagac agcaaaaa 228

<210> 7699  
<211> 344  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7699

agcttcattt ctcatattgg aactgctgac acttatccaa catgaagata atgacgagaa 60

atagcatgga atcgctctta aagccatata ttctattcca gaagaaagtg acaaagacga 120  
 cttgaatgaa acacaataag atgatgagat ttacttcttc gctaagagct tcaataccgt 180  
 tctaaggagt ctaggaaatc aaagaagaac aaacttttat ctcaagaaaa aaggagaaga 240  
 ttcatcttat gttccacagt gctatgaatg taatcaacct atacatctaa gagttgattg 300  
 ccctagcttc aagaaaagaa ttggaaaatt ngacaggata acct 344

<210> 7700  
 <211> 298  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7700

agcttagatg tatgacataa ctggatggtg ctgagttatt gtgagtcaga ctgagaccag 60  
 attacctgtt gggtttcgat gctccattnt aaagaacgaa caacacacgg ttgttgctg 120  
 tatgtggcgt ttttagggga acaaattatc ttctactaat ctttcagtga gggaagcaac 180  
 tagcatttgg ctatatagct cataacaaga taacatgaaa gaaaaagcaa tacatttggg 240  
 tagccttcat atgcttaatt aataataata cccaatctat acttatatac ataataa 298

<210> 7701  
 <211> 505  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7701

ctgcattttt gaaatcatct cgacncgnga tctgatagc catctggagc cggatcctct 60  
 aatcacctgc ggcattgcaag cttgatcttt ctttaagttc catcctatat tcgttatgca 120  
 ttctatttct caacactatt attgtaaatt aatattctca aacatcatca tcttatttat 180  
 tgaataaggc atgcataagc taaccgaatg gaaaactcag ctatattggc acctctcatc 240  
 ctaaccggtc ttaactacac aaccaaataat gaatcactca gagacaaata ccacatcgaa 300  
 tgaatcagag gtctaataac cattcaagaa acttataatt atgaagacct aatctatttc 360  
 tataaaacta ttcccacttt ccatccaaaa gaggtagaga tcttatcctt catngaccca 420  
 caactgtaat aatagattaa taaggaaatct tacattaata atctatatct gtcataataa 480

gctctaattgc acataataat atgan

505

<210> 7702  
<211> 278  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 7702

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ggacatgact ttcagacgat ggggcagaac attgacattg ttcgcatacg ctcgacatat 120  
atggcattta cttacatggg tgcagcaatc gctttccata acgagccaag aataacctgc 180  
tctaaggatc ttcttgcca tagcatgcc attggcatgt gtgccaaatg aacccccgtg 240  
gacttactca atcatgtagg tcggctctat ggcattca 278

<210> 7703  
<211> 361  
<212> DNA  
<213> Glycine max  
  
<400> 7703

agcttcgttc tcagatccct cttgttggac tatgctcaat ttagacagcc ctctaggtt 60  
tagacttact taaactaagc ttcattccta gatccctctt gttggacaac tgctgtgctt 120  
agcacactga tcaatttggc tctgtccagg gtcacatcaa atgtgtggga ggtgggaatg 180  
aggttagaaa aggaaagaat gctccatgtc tgagctagag tagtcatgtt ctctctcaaa 240  
atcttcaaag gcttccatt agcattaagc ccgaatcccc tccctgggat acaaagctta 300  
gcagccaact cctgaggatc gggcctcacg agtgcaaadc tggaatatgt acacaagttc 360  
t 361

<210> 7704  
<211> 389  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 7704

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accacacat tctgatccgg agaaccaggc atagtgtatt gggcaacaat cccatgttct 120  
 tgaagaaatt tgcgaaatga acctggtgct tgtccatcct ctgtgtatct accatagtat 180  
 tccccacctc tatctgatct cactgatctta atttgttttc cacattgttt ctcaacttca 240  
 gccttaaaaa ctttaaaggc atctaaagct tcattcttag aatgaagtaa gtagagatac 300  
 atatatcgtg aataatcatt tataaagctt atgaagtatt tctgactatt tgcgtccatg 360  
 tctagacaac atatgtctgt atgtatgat 389

<210> 7705  
 <211> 438  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7705

agcttatata tctcacactt acaccatgga tgaatgtaac aaactaatat accaaatatt 60  
 tcattattac taaccaaatt ctaaaggggt gtcgtgagtn tctttaaacc aaaacattca 120  
 aagaaatcgt tgaacgtcat ttctcgaaac caccaactcc ttaatatata ataattata 180  
 catataccat tagccattat tttttaatgt caaagaaant tttcgtataa atatgccttg 240  
 atgtgtcaat tacttggaag aagaaaagat ctgcataaaa ggaattactt tctgcaattc 300  
 aaaaagcttg cagtaactta ttgaatccaa tcataatatg cttcctatat atcaccatat 360  
 canactttta aaaaacagtt cataacatgc ttttttaaat ttggaaacta ttcttttatc 420  
 atgacacatc cttgacat 438

<210> 7706  
 <211> 439  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7706

agcttcatag tattcctctt caaaccatgg agtatacttt ggagagggtg gtggaaaggg 60  
 agaacgagca accctctttc ctctatagct aggcaagcct cctttggttg tctccttcac 120  
 tttctctttc tttgccttgg tcttggtgac agaggatcat tgccttattg acttcatgtg 180  
 tttgatcctt tgttcaccta ttaatggagg ttgaggatga aaggtgacaa tgattanggc 240

tttgaggggg tgaagaatga gaaaaaagga tgtgtacaat tgttgagggt tcgtaaaagg 300  
 gttaggaatg tgacaaatga ggtttatgtt tagtgaaaaa gggatattta aacagaccaa 360  
 gttgtttttt tgttctgccca gatgtgttta gcttgggtta ttgattatga aatgtcataa 420  
 tctgttacga atataccca 439

<210> 7707  
 <211> 465  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7707

agctntacta attaanaaat gtactcttct aaggctttta cttatgttgt taagagaata 60  
 aggagtagaa gagaaactta accaaacgta aaagtggaaa ttaaaatgca cagcggaaag 120  
 taaaagagta gggaagaagg agacaaacac acaagagttt ttaaattgggt tcaacaacaa 180  
 cccgtgccta catccaatcc ccaagcgacc tacggctcct gagatttctt tcaaccttgt 240  
 aaaaatcctt ttacaagcaa agatccacaa gggatgtacc ctcccttgtt ctctttgaac 300  
 ctagtggatc taccctccac tagaactgat ccacaagaga tgtaccctct cttgttctca 360  
 gtcaaaccce agtagatgta ccctctactt gtaccacana ggatgtatcc tccaatgtgt 420  
 taagacaaag atctcatgca gtcaaaccct tgatactttg tgaat 465

<210> 7708  
 <211> 439  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7708

agcttagaaa tatgttttaa atccaagccc ataagtaaaa tcaaatcaaa tctagattag 60  
 atgagataag ataagatcta gacgaaataa tatctagatg agatcaaata taaagtgtgt 120  
 ctagagaaga taagatctaa ttctgtagaa taaattagtc tgccttcttc aagtccaagc 180  
 ccaattatgg attcaagccc aagcccaatt ctagattcaa gcccaatgct tcattaattg 240  
 ctgaaattat attaaaaaca tcaaatagc tgaatgggcc taaataataa aactgccgca 300  
 taaatgtgac aattaagact aatcaatatt taaatgggtg caaaaagggt taagacatat 360

gagaanataa tggcacatca caacgtcggg ccaaactgaa actgggaata aaatcactta 420  
tagtggataa aaactcaca 439

<210> 7709  
<211> 416  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7709

agctntgccg atttagtggt cgctggcgaa actgtcaaag tgggtttgag aagaggcatt 60  
attgattgtc tcactttgac aagtaaaaag cctgnggcaa atggagagaa tgagaaggag 120  
gaaggaaccc atgttctggc tgccattcct acatggccaa atttcccacc tgcttaacaa 180  
tgtcattact caccgatat cagctctcct cgttaccac caccaatcg tccacaaagg 240  
ccatcaataa atcagccaca aagcctgct tccgcacaac caattccaaa caccaccttt 300  
agcaciaaac anaacaccaa ccaaggaagg aattttgcag cananaagct tgtagaattc 360  
acccaattc cagtgccta tgctaacttg ctcccatatc tactcgataa ttcaat 416

<210> 7710  
<211> 391  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7710

gcttgcatgc ttgctaagat gcattntgaa gaatcatacc aagaaaagta ttacaattta 60  
taatctgagg cttgcacatc atgtcatggt gacatgagaa gcatatataa ttgaacaaga 120  
aggaacataa attgtgttta ttttattgaa tacataccaa gaataccagt ataatatgaa 180  
agcggaacat cggtgtgctc aatgttgaaa agtatttgag ttggggacac caagctgaat 240  
tcttcccatt ntgtagatcc ccacactaaa gcacctttct tgaatctggg tgccagattt 300  
aggactatta cactccatac cctgtaatgg ctgatgtaca caacggtaga gttagaccag 360  
ccaaatttat gatcccaaga gtatntcaaa c 391

<210> 7711  
<211> 415  
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7711

agctagagta tcattccaaa tgtatggctt caattacctg ctaaaggcaa caggcacaat 60  
tccagctcta tattcagcaa ttgcaagaa ggcaggttca gccatatcaa agtggttcag 120  
aggagggttg caccaacccc cattgttggtt aggcaaagaa cggtttgggg ggcagaagtt 180  
agtggcagtt acagtaatgg agccagggtt gcaccatctt gggcatcat cacatctcat 240  
ttcatagcaa gatccacagc ttaagccatt gttgaacaaa gcagtgttca tagccacagt 300  
gtcagttcca tagccctggc tatacaaatt tccataccca catgctccac ctgcatgtat 360  
anaatacana gcataaacat acaactcatc acttaacttt cataaacaca ctcta 415

<210> 7712

<211> 363

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7712

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ccaagcccct actttcgagg ggcaactccc cccttatgac gactatcccg ggcaagacga 120  
tgaggaagga gatacccatc ttggccgcct gctccacctc aaagatccgt ccccatatga 180  
actaccccaa ccgaacatag tccgccatat cccggcctca ccctcacccg taaaagaatt 240  
tgttcccttc gcggaagata agggaaagat tgaggcgctc gaagagaggt taagagcagt 300  
cgagggcctt ggcaattacc cattctcgga cttagcagat ntatgtctcg tgcccaatat 360  
cgt 363

<210> 7713

<211> 265

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7713

agcttgagct cactgttcct gcccacaaa gcttcatgan aattgttacg gccatgctct 60  
tccttgcgag ccctcttggt ctcttggtcc aaagccttgg tggtaactat atttatacct 120



cttagttngg cattctcctt tcggatctta aaagctgctg atttgaacct ttctttgact 180  
 atttgggctt gctcgagttc tgccctaagg gcttgcacct cttcgtattt cttcgggtgcc 240  
 tcaacttctt cccttatagt ggttc 265

<210> 7714  
 <211> 342  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7714

agctatgatt ctaagaatga aatagataaa gattactttg taatgactaa attgatcaaa 60  
 gatgtactcc cgagacatat gataaangat gtatatagtg ataagaataa ggccttttaa 120  
 atttaatttt gagaattaat tttgctgccg catattttat tcaatagttt cggttatcac 180  
 aagtactcag acacttgttt aaaacatctg caagaaccta taaattaaca caggagcctc 240  
 gtatgcaaaa tgcttttgaa tgggaaatat atgttaagat ttacagagtt gttgtattta 300  
 taaagtgact catgaatata taagtctttt taacttttct at 342

<210> 7715  
 <211> 421  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7715

acacgttaac tcgcttntga tctctatgaa tctgctgcaa atcaactatc aagacgtcaa 60  
 cgattgcgcg agttgcttaa acaatcccaa tcagctcctc ttaccgagga agaacagata 120  
 ataactatctt atactggaac gaatgggttat cttgattcat tataaatggg acacgtaagg 180  
 aaatttcttg ttgagttacg tgcttactta aacacgaata aacctcaatt caaagaaatc 240  
 atatcttcta ccaagacatt cactggggaa gcagaagtcc ttttgaagga agctattcaa 300  
 gaacagatgg aactcttttt actacaggaa caggtagaag aaaattgatt aatcgtttaa 360  
 taactctata atgtcacttt caaattctta tacattagat cttttaatat ctctttattt 420  
 c 421

<210> 7716  
 <211> 426  
 <212> DNA  
 <213> Glycine max

<400> 7716

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 ttaagttgaa aaattaaagg accatttcgt tgctcgaaac attcttgaag atcattccag 120  
 attgctttat cagaagaaca atgtaacact actaaaataa gtagtttcaa tgactgaagt 180  
 taactacatt cctttcaaac ccgttggtat tttttaaccg gcggtathtt ggttaataaa 240  
 agaaatagtt caaagacgat gaatgataaa cccgttggtt ttttttaacg ggtggcattt 300  
 tgggtgaataa aagacacata tcaaagaccg tgattttcta aaccgcgtctg tgaatgacgc 360  
 gagtctttat ttttattgtg actactcaac tcgtgtcata agtagccttc gcgtggactt 420  
 cctcac 426

<210> 7717  
 <211> 383  
 <212> DNA  
 <213> Glycine max

<400> 7717

atcttatcta tttctccatc acccggtccc ttttaatttaa atcaagtgat gcattactaa 60  
 tgagattatt acatatcttg aggtaatcat gttagaata gtcataagag tctatatatt 120  
 acttattggt gctaggtaac tgactctatt gttggatcaa gtatcctcag aataattaag 180  
 acaggggggtt gaattaattg ttcctaaacc tttactaatt aaaaattact cttctaaagc 240  
 ttttactaaa ttgttaagag aatgacgagt agaagataaa cttaatagaa aataaaagct 300  
 caaattaaat gcacagcgga cagaaaagag tatggaagaa tgagacacac aagagttttt 360  
 atactggttc ggcaacaacc cgt 383

<210> 7718  
 <211> 359  
 <212> DNA  
 <213> Glycine max

<400> 7718

agcttcctct tattagtga cagctccttc aagaatttgg catatttttg aattttcttt 60

attgcatcca gcagaggtat gtttacctct acttttctga atgtctccaa gatctctttc 120  
tctgctcttt ccattttttt gttggaaact gctcttggag ggaatggaag aggagggatg 180  
tgctgcttct gcaaattacc agtggaagat tcacctgcac agaaattgtt aggtaaattt 240  
ttgtcatcac ctttttctgg agtagagtga agtttggcag attcatttgt agatgaggaa 300  
ggtgctatgg gttgaggtcc ttgacactgc tttcccgacc tcaatgaaat ggcaactgac 359

<210> 7719  
<211> 392  
<212> DNA  
<213> Glycine max

<400> 7719

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caccacacta ttggacacct gtactactga catattccct caacagaaat tgtaattcca 120  
ttctaacaga atacacgata tcattcattac aaaggattct gatcctaaca acctaatgga 180  
catagtcttc ccacccttga ggcttccctc ccataccctt gggcctgtgg tcataatcat 240  
tatggtgcaa attggtatca tatcccaaaa ccagcacaca catggatttt taagattaca 300  
aactaaaact tcatttaggc atttcaccaa acacataact tacaacccat ttgcaaaaaa 360  
aaaaaaaaa gagggagaga gagtataaaa cg 392

<210> 7720  
<211> 410  
<212> DNA  
<213> Glycine max

<400> 7720

tgcagctttg agcaattcaa atggtcataa cttttttcgg aggtccgatt caggcgcata 60  
atatataaag acgctcgaaa tttcacaacg gaagctctcg agaaattcaa atggacataa 120  
cttttaactc ggatgtccga tttatgcgca tcacatatag agacgctcga aattgaacaa 180  
tagaagctct cgagaaattc aaatggatcat aacgtttaac tcggaggtcc gattcaggcg 240  
cataatatat cgagacgctc gaaattgaac aaaggaagct ctcgagaaat tcagatggtc 300  
ataacattta actcggatgt ccaatttagg cgcataatat atcgagacgc ttgaaattga 360  
acaacggaag ctctcgagaa attcaaattg acataacttt taactcggat 410

<210> 7721  
 <211> 436  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7721

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 tttcacacaa gaaccaagag aggcactctt ttaactgtgt ataatatgaa atttcatcaa 120  
 aactgccaac aaagtgttta aggagtctat ttataactcc tactaataac cttttagtaa 180  
 gcaaagcttc caagcttatt ttgatgatgc caaagactca agtcaagaat caagattcaa 240  
 gaatcaaaga gtaattcaat caagaatcaa gattcaagtg aagattcaag aagaagactc 300  
 aagatatgca agaacttcaa gaaaagcatc aagataagta taaaaagatc ttttcaaaga 360  
 aaagaggata acacaatttg tccaaagaat tttcanagaa aaacctttac cagagtttta 420  
 ctctctggta tcgata 436

<210> 7722  
 <211> 401  
 <212> DNA  
 <213> Glycine max

<400> 7722

agcttctacc tacatagcat atgttcacca cacattaact cgcatttctt tctcggtttc 60  
 tgatgcaaaa tacattatat gctgtatgtg atcggtcca tgccagtgat ccacgtttac 120  
 aatgacgatc aaatttgaaa caacggatct cattttcact tcgcacattc tttttttacg 180  
 ataaaaatgg tgcttattca ataattacta catcacacat tcattcgtta ggattggatc 240  
 gatgctacgg aaatcgaatc tgaaaagacg aataacaagc gcagaaagtt gcagaagcat 300  
 tgcaaaacgt ttatgatcca gtttgtgatt aagttagggt tggaattgtg ggaaaaaaga 360  
 ggtggagatg gagaagaagg gaaaacgtac cacggttgat g 401

<210> 7723  
 <211> 343  
 <212> DNA  
 <213> Glycine max

<400> 7723

agctttgtac tactccaacc aaccttggtg cgttcctccc ctaactaatt acctctcttc 60  
tcttcttatt tgcactcaat cactcatata tatgcctgtg ctgtcattcc ttgtttgcaa 120  
tgctctaata tatgctctaa atcatcactt gtgtcatgta atctacacta ctactatgc 180  
tattaagata tcaccttcta ctcttgatat atctcgtata gttgtattcc ttgtcttatt 240  
ctactaataa aagatagaca gcgtgcaaga acacatatgg gtttatattt cttgggttagt 300  
tagctatact tgaatttttg aaacggaacc ttaacatgcc atc 343

<210> 7724

<211> 338

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7724

agcttagcca caggctcctt gtgctaagga ttcaagggtg gagaggaana agagagtga 60  
atgagagtgt ctaattatgt ggttcagttt gggttaattt aagtatatga ctcttcctct 120  
tctttatatg cacatcccat cacttcctat attcaactac ttgtttctca tcactcaaga 180  
cccacttatt tcaacctaaa tactctaaaa cttactattc acaccaata caatattttc 240  
gcatatgtaa acataaacat acatattagc atcacacacc atcatctcat aataattagt 300  
taattataaa cacttatact aaatataatt cctcaatg 338

<210> 7725

<211> 180

<212> DNA

<213> Glycine max

<400> 7725

ttctcgataa gaccgattgt ttactacaa gaacctagag aggcactctc ttaactgtgt 60  
ataatatgaa atttcatcca aactgtcaac taagtgttta aggagtgtat ttataacttc 120  
tactaataac cccttgtaga agctaagctt ccaatcttaa ttgatgatg ccaaagactc 180

<210> 7726

<211> 397

<212> DNA

<213> Glycine max

<223> unsure at all n locations  
<400> 7726

agctataaac ttcacagatg agaggagaag caaaatattt ataggaaatg gtgaggggtc 60  
tacacacaag agtaaaagaa agggagagct ttatgcacaa aatcagagtg aatagaaatg 120  
gcttaagtgt ttatcctttc acgggttttta gtcaatatga tcggagccaa aaatccctcc 180  
ttgtgccttt gaattttcag ctatatatga ctctccacca acaaggtagt agagttntat 240  
tttcttttcc tttatgatgt atatataaga gccttgaaat tggttcagaa agaggtgtat 300  
tcanattggt taaagaaatc aagttaacta aaatctggaa gttaatgact taattacgat 360  
gtcaatcaca tacatgtgag aactaattat tcattat 397

<210> 7727  
<211> 331  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7727

tatttctttg agataaact taaaataata ttttttttaa naaatactaa cttctaaatt 60  
ttgtatttat tctctttnta tccttacaca tttatntaaa tttctttnta atcttttcta 120  
tttttttatt atatatgata ttgatataat atatacataa tttatgtggt tttattctta 180  
ttttatatac tttataaata aaaagctaca agtgcttaan attgatttaa aactaatatt 240  
ataaatatta caaaatatat ttttatcaca aaaatcaaat aaaattttgt ataaaagcat 300  
tacataaata tatcccatla tgntattata t 331

<210> 7728  
<211> 432  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7728

agcttagatt gaatccaaag ctagattgat aaggcaaaag gacactcaaa gaagatgctg 60  
agagtagtgt tttaaaacc aaaccgaacc gataggtcag attgggtcaa gataaagcct 120  
ttcgattgta gcttatcacc agaaagaatt ttccagtaat aatttctaga gaagaaaaga 180

aggagaaggt ggaatggctt ggttccaatt cttcatccca aggaacctta tcatcacaag 240  
gataataggt atgacttaat tccgaatctc caaaaacata tcaggaaacc aagcttcaag 300  
agatgctgga agagactaag aatttcctga gataaaatct tctaccttag cttccaacaa 360  
gctacgtaat tgatatggaa tattacaaag attcacaaca naatcactat tagaaaataa 420  
tggtttaaca tc 432

<210> 7729  
<211> 538  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7729

cgccgtggat tgacgcccatt tganacgcgc gatcctgaga gttcgattgc ctgtccgcac 60  
gctgggagct ctaaaacacc tgcagcatgc attctattgg tggagagaac aattatatta 120  
tacttatata attctgagaa atacttaaatt atattttatt aaaaatactc acttctaaat 180  
cttgcaccta ttctctccgt atccctaacg catttattta aattttgttt gttagtctct 240  
ttctattttt ttatcatgat atgatatctg atataaatag tataactcaa gtttgatggt 300  
ggcgtccatc tctttatatt taatcatact tatattanaa tgaaaaatgc ctacagacgt 360  
gcttatanat atgattctaa caacttacta ttattaaata ttacacaaat ttatgtttat 420  
caciaacatc aaatataatt ttgggtaaaa gcctgacata aatatatcca ttatgtatta 480  
ttattttgga attttcaact tcagaattaa ggaaagctcc ttttaacgta tgtaactn 538

<210> 7730  
<211> 521  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7730

ggagtgcgtt gagaccgata gagagacgng annttttgga gatgatgtcc nttagacna 60  
cctntaaatn nacagcggct gcaagcccat tctagatcct ggagtggaca cgttcttttt 120  
gacagaccta cttgagcaga cctcttaaac gaagcgtaat ccctagagcc ctcttggttg 180  
acaactgtc gtgcctaacc tatgagaaca atgggtctgt tcaaagtcac atacaatggt 240

gtggaggcgg tcctcacgct agagaacgat agagtgttc ctgttttgag ttaagtactc 300  
 acgatcttcc tcgacatcct tgaagggcaa ctttttcttt aaacccggat cccactctg 360  
 ggatccgcaa gctaatact atctccagat gattcggcct ctccaaagta aatctggtgt 420  
 atatcacgat atatccact ctgcgcgac cagaggtatt taaaaggggt gcaaaatact 480  
 catgaacttc tttaaagacc ttcccacccc tgtctagggc c 521

<210> 7731  
 <211> 304  
 <212> DNA  
 <213> Glycine max

<400> 7731

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 tgttgatgtt accatattgc caaacaactg gaatagttca atctcgctgc actttctctt 120  
 atctgtgata gagaaatgga tattgtagaa tcttaacccg cagcaccttg gactgtggac 180  
 gttcaactga aaaagataga tctgtaatca aacaagaacc ctacttttcc tgctcacttg 240  
 acccattttg tattcaaaaa gttgaatata gtttcaatta cttctgatcc cgaggcaaga 300  
 gata 304

<210> 7732  
 <211> 519  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7732

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 ancctnatnn ntgtnatgga atanctacac cttactttct atcctataag attgacgtat 120  
 gttattttta cttcaagatg gaatctgagc ttaccatgga ttagatagtg agacatcttc 180  
 tactgtccaa agatctacct ggcctcacag ctgtccctat gcagtgtaat aaaaaagtct 240  
 ctacagctcc atgcaccta aggccatac tatgtcgtaa agggagcgtt acgaacccat 300  
 ctcgactata aatatgggcc acagttcaca acactctcta cctcatgtac taattctgtg 360  
 atcgagcctt ggcccaccca cttcaaatga aataatatgt ttactgatgt gtactcaacc 420  
 catatccttg tatgagctac ttatttatat cgacatgatt cctcactgcc agtaaaagag 480



gggatctgac caattttgac gacattgact ccggacacg

519

<210> 7733  
<211> 440  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7733

atctctgagt cacctgcggc atgcaagctt gtgattcctc aatacatcct tattaattgt 60  
ttaattctta cttcttaaata gtacgttata tacttggtat aggaacctta taattctaag 120  
tatatattag tgtagtatgg tgttctgcct taattgcata ngtagtatgg ttggttgtga 180  
tttcttggtc ttagtgatgc taatactcta tagttggatg actcatatca agttatattt 240  
cataaggaat actcttttga tcgtaccttc taattctagt gcaacctatn tttttttgtg 300  
tngcgtgctt aagtcaaata aattgagttc acttgaaagc ctaagtataa ttattctatn 360  
gtatagacta catcaaaca tnggatactg atgttttata caatcagtga ttgtatgtct 420  
catatagtga cattgggcat 440

<210> 7734  
<211> 373  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7734

acattcaata attactggta atctattacc atatatgtgt aatcgattac acagtgcana 60  
ttttgaattc aaattntaat agctattgta aatcattttt ggccattggt aatcgattac 120  
atcctctggt aatcgattac cagagagtaa atctcttgaa aaagactttt taacttaaat 180  
ttcttggcca aaccttttgc tacttcagtt aggaattccc ttcctatnta atataccctt 240  
cctaagaatc tagagactgt cttgatcatn ncatctgaat atncttaatt tctttggctt 300  
gaataaagct ttgagaacat atgatccttt ggcatatcaa aacattcagc ttgattccgt 360  
gctacaatct ccc 373

<210> 7735  
<211> 338

<212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7735

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 caattcatta gagggctttc cttctgtgtc cagcatcttg ggatgttccc agcctttgat 120  
 gacagctttc caggtttctgc tatccagtga ttgaggaag gccaccatcc ttgctttcca 180  
 gtattcatag ttgggttccat ccagaattgg tgggtctgttc acttgctctc cttcttttct 240  
 catgttcac agaaattatc tccctagatc tcaactcagt atttcgagtg cctgctctga 300  
 taccaattga aattctgata ctggggacag atgtcgta 338

<210> 7736  
 <211> 437  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7736

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 cacattgtgt ttcgtgcatn tttattctcg ttntgtttac tttttatacc ccctgttgac 120  
 gtgcttaagc cattttactt aagtcgtttc tcgctcaact taaaagtaaa ataaatttcc 180  
 accgaacgtt tgaattgtat tatccattaa cttcgggtaa aataaattcc gaccgttcgg 240  
 tcatgtngta accacgttgg anatcanaaa gaggtaaaaa ataataaat aatcaaaaag 300  
 acatctttta gtaaaataaa gcggaaaatc aatcggacgt tntctctttg ggagttctca 360  
 ttcttaatcg aattggataa taactaaagt gaaactaagg ctataatcaa ctcgcctagt 420  
 caagctcgtc cacaaaa 437

<210> 7737  
 <211> 252  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7737

gttagctntg ttctgcaatg cttngacctt ccaccacat ctgcatagaa ttagattatt 60

attattatat tntaattnta agccttgtat ttggctatgt tttatgacat ttgaatactt 120  
 agtatttctt ttcataattta cttagtatga ctgaacatga tgattatatt tacttgcttt 180  
 tggttgggta tggttatgtg tggttaaactt tattattttt atgatataata tgtctagtga 240  
 tatgtactta ca 252

<210> 7738  
 <211> 437  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7738

tgcacgcatg caagctatat accctagcaa ctcanaatct aggtatccat aacccctcaa 60  
 tttaatggat tttcaagggt tgagaagtga aaatgagaat ggggttaaatt tggagcaaac 120  
 tctcacctca cacaagtcta taacatcaat ctacacttgc tcaaactgggt tttacgccta 180  
 atattctgtc gaatcaaaat ttgactcctc aacacccaat tntaccctag aaatggctca 240  
 tgccctctact ttggtcatta gctttctctc ttgacagncc aactntctca taagtataaa 300  
 tgacatttca nactaggaat aactcccttt aacctccaaa taccactaaa ttcagatttg 360  
 gccttcaact ctcaaagctt cactcttttt cactcaaaca ccatattcta ctttctaacc 420  
 ctaggtaacc ctaccct 437

<210> 7739  
 <211> 347  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7739

agcttggtcg cacatcggtc gcgtgtatga tatccattcc acaaggtttg aagtagagga 60  
 gaccttcaat cctataacgc aatgtggcga acaaaagtgg gcagttaact tgaatgggtca 120  
 tcattgtcaa tgcggaaggt attttgcgct tcaactatcca tgttcacaca ttattgcaac 180  
 ttgtgggttac gtgaacatta actactacca atatatagat gttgttacac aaatgagcac 240  
 atcttataag cttactctgc acaatgggtga ccacttggga atgaagcggc tattnctnct 300  
 tctgatgacg catgaacact tatccctgac ccaactacaa ttcatgc 347

<210> 7740  
 <211> 367  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7740

agcttcaaga atgtgaagta gctgctggac ggccataact aagaccataa catcacttga 60  
 ataaaagaag ccaagtctat tgtagtcttc tgatttctgt gtattgtaat caagtgatgt 120  
 tatactagta agtctttctc agggttggct caatcgacac aatccaaact aacaatgtat 180  
 ttacttcgag tctgattaga tctagagaat cttatngtat ctacttgga aagtaaaata 240  
 ttcaattttc ctaaaatcag tcgcttgcaa aagccacaaa gaagagacgc ganaaagtgt 300  
 ttgttcaaca atcatatcaa ttgataaatc cgggggtgatt ggttaaata acttgccata 360  
 tcaattc 367

<210> 7741  
 <211> 575  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7741

tttactttgt cgagactcta atttacttta attcatnttt ntgaannnaa nnnnagccta 60  
 tgancctgaa ccttgaccgg atcttaagcg actgagctgc aacttctatc tattagaatt 120  
 atgaagtttc taatgctgaa atcatgggat taagaaggcc atgaccaatc cctattctat 180  
 tatttaacaa aaattcctaa tgaagggtgag ccctttgagg gtgcattgat tgatgattgg 240  
 aaattctata tttctgtgcc tgatgccgc cggttggttt gaccaccaa atggatacga 300  
 ccggaacgct tcttgcgga cattgagctt tgaaaccgca tctccatac cttattgtcc 360  
 gcatttactc ccttaaactt caaaccttgc ttangtttct gaagaatata tcatagacga 420  
 gtgggcctta cataaagagt tacataatgt tggacacaca ctgctagata tcgcttgctt 480  
 aaacactgcc acgaatgcc catggctata ccttatcatg ttcccttttc cttaacactt 540  
 tacaacgctc ttattatgca cctatgtcaa tcaan 575

<210> 7742

<211> 436  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7742

attntacccc actataacct ataaaagagt atgatatggt tttccattaa attattgtgg 60  
 tcgataactca accccaaatg atctcattcc aatcagattt ntactttgct accaataaga 120  
 attgctgaac ccatttgatt tagggtgtaa tttttctgat actaggatgc ataaaattgc 180  
 gctccataat tagtancact ttctcttatg atttgtatat gaacatattc tntcttttaa 240  
 ttccttacac taggacacgt agtaacattt gtctttatta tttaagaaat taaacgagta 300  
 caccataaat ttattatfff gcaattcttg gacgactata acaacgcgta cattatcatg 360  
 gtaactaaga aatattgngt cgataatcac aaatgaatca ctaacaaaca cactatgact 420  
 ggcctctcac cgaaan 436

<210> 7743  
 <211> 280  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7743

agccttcaat tttgaatatt tagaggtacg ggtgcgttta tattgatctc ctacaaagct 60  
 ttctgatgtt cctttgctta aacttatatt gcatgttatt tctttcgcag agaaggctga 120  
 acaacacact aaagctttga tttttatctc aacaaaacga cgatttttat caccgtaggt 180  
 gcatagaccc ataaacggaa cccgtcttct gctaaagatg cgattttaac atcacatgtc 240  
 ttcatttgtc cacctgtctt ctgcatttnt tcttttcggt 280

<210> 7744  
 <211> 523  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7744

tcccacccac tccatttnat tgtataaaca tattnгнаac nnnnnnnnan cacgatatga 60  
 acttgancnc gttaccaann nacgcagcag caacngcanc cnnaaaaaag agcgcggtat 120

taggtgaaaa aaacacctcg ataaacttca tccttctttc caaaaccatt aggccaccgag 180  
atngaagctc aagcgagatt cctgattcct taatttccag ctagaaagaa attaaaaaga 240  
aaccctgat tattaatat agactagatc gctcaccgaa gaganatacc aaacaacctt 300  
gaaggaacta cgaacctctt tcagggatga ctatcctata acttatgatg caacatcggg 360  
tgtcaaatca gctagttatt ttcttctcca ctgactaatt accaacattc caaaaaacta 420  
actaactcta atctaaacaa ctgactgatt gttataagtt aataatggta ttaataaaac 480  
tgaccgacac taatatacaa agtagaatcc aataacccat tcg 523

<210> 7745  
<211> 451  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7745

gaagaagaag aagttcanag agattcaagg cttgtaaagg attgtattgg attgttagaa 60  
agattgatta aaaatgcaaa acaaagcctt gcttttatag actcttcacg tctgggtcaag 120  
agaaccattt agaagagtta tgacttttag aaaaacttat aaccaatttg aaaaagtcaa 180  
aaaccatttg aagagttaca tctttttgat tattcagaaa caatcattgg taatcgatta 240  
ccaaatcagt gtaatcgatt acacaaagct tttaagtga atgatgtgac tcttcacatt 300  
tgaatttgaa tttcaacgtt caaaggcact ggtaatcgat taccaaaaca tggtaatcga 360  
ttacagcttt ttgaaatcaa ttggaacgtt gtaaattcat ttgaaaattt tttcanatcc 420  
attttactac tgggtaatcg atacaataat c 451

<210> 7746  
<211> 473  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7746

atctctaagc acctgcggct gcagctttta tccaaacact ctcttgggtg tgaagtttct 60  
ccttccatgg cttattccct agtggatggc gcctcctctt acctcttctc ctttatcttt 120  
cgctacatct ccatgggtga aaatcaccat cgaaggacct cattgaagct caaagatcca 180

acctccatag aagcttctca agcaagcttc catcactttt ctttactcta accatgatga 240  
 tgaatgatgt aatacanata tcatatgttt tagaagacac aacacangat aacaaccaat 300  
 acanattcca cttaagggga gtaggcatgt aaaagtctaa aaatcttcaa aacttcttta 360  
 acatttgctt tgagaggtn gttcaccatat tgctgatctc attgtactcc ccctatctct 420  
 aacaatctcc cttttttttg gcttgatgat gccaaactta aatatgacat tga 473

<210> 7747  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<400> 7747

atacttagac tatictaaaa aatgatagct ctttcaattg gaaaccaag attgctaacc 60  
 agacctttaa gtcagatccc atcctttatt gcttctatta gagcatgcac tctacctttg 120  
 tagtgataa aaccacaatg ggctaaagag tttccttcca actatcaaga gagttgcaa 180  
 tcatgaatgc gtaccttgtc atagttctcc ttgcatccaa atctacagca tagtcaaaat 240  
 ctaaataacc aacaagagca c 261

<210> 7748  
 <211> 218  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7748

agtcacaaag agattattat atgtgaccat ggcatgaatn tacttatcaa tcatataatc 60  
 tatctttcaa tatcttcttt catctctttc aacactttca atagatcttt ctgatctatn 120  
 tctcttcac ctttctaaaag gttttgttca aacactttct cttccaaaaa aagttctttg 180  
 gtcaaaactt gggctattca tattttttat tctcttct 218

<210> 7749  
 <211> 394  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7749

agcttctttg agaaaacttc cttgagaagc tagagcttag ctacacacac ccctctcata 60  
 actaagctca cctccttgag aagcttcctt aagaagattc ctaaagaagc tagagcttag 120  
 ctacacatac ctctctaata gctaagctca cctccttgag atgagaagct agagcttagc 180  
 tacacacccc ctataatagc taagctcacc cccatgacan aaaacatgaa aataacaaaa 240  
 aagtccttat tacaaagaca actcanaaat gccccganat acaaggctaa aaccctatac 300  
 tactagaatg gcaaaatata ggccctagacg aatganaacc tattctatat tacaaagata 360  
 gcgggctcta cttacccatg ggtcgaatct acct 394

<210> 7750  
 <211> 388  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7750

agcttcctcg gggccattgt ctgcgaatgc aaacattngg aaagttagtt ttaccaagaa 60  
 atgctactct taaaacaaaa atggcacaca acctcctcca ataaacacaa acatcaatgt 120  
 aaatttagag canactcatg gacatacttc cttatgaaca ttcactcgca caagatattc 180  
 ttctacctaa aaaaatgcac ccatgcgcaa tcaaggcacc tttgttacct agacttattt 240  
 atgtgtactt ccaagggtgta tttgctacct acatcacatg caacttcttt ggctaaatta 300  
 catacatgca tactcaaagc atcttggtta ccaaaaattg cacacgtgca cattcttgta 360  
 tttctaatac ctatgcatat acaaactt 388

<210> 7751  
 <211> 284  
 <212> DNA  
 <213> Glycine max

<400> 7751

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 tagttggtga tgtgatttat cattaggcaa ggatttttagg tttaattatt acgaaattgt 120  
 tgattacttg cttaaatgtt tatgtttcat catgggtggat taatgtaaaa gcaagatcac 180  
 ctgtttatat tatttgattt gagttaacaa tttatttact gggaatttta ctattggtgt 240



tcataagttg tatacctagt cctagatgtt aaccgggcat tctt

284

<210> 7752  
<211> 289  
<212> DNA  
<213> Glycine max

<400> 7752

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gcattagggt ggaaattaga taccgagcta ttacagagag ggtcggagtt tgcctattg 120  
tatagaagat ggtggaaaat atacttaggt ggtttgggca tgtacagaga agaccggaag 180  
actctgtatt gaagatgagt gacctgatgg agagaatgca cacacttcga tgcagatgaa 240  
gaccacaaa gactattcga gaggctatca agaacgatct cgaacttaa 289

<210> 7753  
<211> 362  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7753

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aacacaagag catgattgat tagagaaata tatttatatg catcagcttg tttatttgaa 120  
agaccaaca tttctaccta ctactgttac ttttacttac cttgcattnt atagttttta 180  
gcataaaagt ttagtttaaa ttctgtttga aattatcaat catacatgtt ctctcaacaa 240  
tgcttcattt ctgaacttaa cttaggctaa cattagtcc ttgtgttcga tactcngatt 300  
cnatccattt aatttttaaa tacttgacaa tccagtgtgc tttccggcaa accgaatttc 360  
cc 362

<210> 7754  
<211> 308  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7754

agcttctcaa ggatgtgagc ttacttatga gaggtgtgtg tgtagctaag ctctaacttc 60

tcaaggaagt tntctcaaag aagctttctca aggagagttt ctcaagatag cttctcaagg 120  
aagctaccta gtctataaat agaagcatgt tgtacactcg ttgtaacttt gatgaatgag 180  
agtcctgtga gacacaactc anagttcaac ttcttctcct ttttgctcct tcgatttcgt 240  
gctccccct ctctctttct ctccctctgt ctttttcacc attgaagcat tctctccaag 300  
cttttatc 308

<210> 7755  
<211> 157  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7755

agtcaaacga caataactnt tgactcggat gtccgattgg gtccggtagg atatcgagac 60  
gctcgtaatt gaaaacggaa gctctgagaa acatcaaaca acaataactn ttaactcgga 120  
tgtctgatgg agccctgtaa tatatcgaga cgctcaa 157

<210> 7756  
<211> 322  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7756

agctntgaga aaaatcanac gacaataagt nttatctcgg atgtcctatt aagccctgta 60  
atatatcgag acgctcgaag ttgaaaacgg aagctctaag aanagtccaa caacaataac 120  
ttttaactcg aatgtccgat tgagtcccgat aatatatcga aacgctcgta atttaaaaca 180  
gaagctctga gcaaaatcaa acgacaaata cttttaactc cgatgttcga ttgagcccta 240  
taatacatcg agacgctcga tatgaaaacg ggagctctta agaaagtcaa acgacaataa 300  
cgtttgactc ggatgtccga tt 322

<210> 7757  
<211> 333  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7757

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 acaaagtact ttcggcacct actatatgtt gacttgacca atgctgttat tggaatgttg 120  
 cgacaatctt tcaacacctt tttcacacat tctgataggt tgttttcatg tgaccatc 180  
 gtcgtccaga tgtatcgtaa gccatgctcc atttntcttt ngaaatgcga tcaatccatc 240  
 ttgctatggc tggagtcaat ngacgaaatt tttctaagtt ttgatcaaac acatgcttgc 300  
 aaggagtgtg cgctgcatca anattgtatc atc 333

<210> 7758  
 <211> 254  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7758

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 agtgggtccct aggctcttga ccttgacttg atagaacctt tttttaagtg aaggcatttg 120  
 acttgatcac atngtttact aaagtgagca aaaatcgggtg cgaatcaaaa ctctaacatt 180  
 tatcatgggt ggaattgatg aatgcatgaa gatatgcata tgacacagat gcgtattatg 240  
 aatacgggag cccg 254

<210> 7759  
 <211> 377  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7759

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 aatcctccag gggtactctt cttagctctt cagccatgat tggatcttca acagggttcta 120  
 tatgagaatg ccttacaata ggaaaactag aagatgcctt ggaagatcaa gggttcttctt 180  
 ctggagttgc tgttgcttct aaatactgca aaaaaaattt tgattctctc tgaattacgc 240  
 cttctacaag tggcattaat ctccaaatca ttgggaatca aatcacctgc agtagatctt 300  
 ctttgcatc aagaaaacag aacaacaatt atocagttca naagaacaat gaatgtacgg 360  
 taactaaaat atgaact 377

<210> 7760  
 <211> 390  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 7760

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 cagattccca ttcttttata cttnttttta aacaagttag aacctattac ttccaaagcc 120  
 agtgggaaggc cagaagcata agttactgca cgttgcaaga cctccacgta atttggatca 180  
 gctttttcct ttttaaagc tttccatgta agtaactgaa gagcatcggt ctcaccaat 240  
 tccttcacct catatgttgt aataacttga tgagggtgcta gcaattgttt gtcccgagtt 300  
 gtgatgatga atttgctgcc gggaccaaac caatctggtc taccaacaat tgcttgtaat 360  
 tgctcgtgct tgtcaacatc gtctagaatc 390

<210> 7761  
 <211> 411  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 7761

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 agaacaaaa taaagcagtt ctttcatgac aatgactgaa ggtatatttt gattctattt 120  
 tccgcatttg ttaatgactt gtgtttcatt tttgttggtt gtaacatcac aggtttgata 180  
 ttttagtctt acaaggattc caaagggttaa cttaatttgc cattttttta tcacattaat 240  
 tcactctccga taataagtga aaggacaatg atgtgggcaa agtgaaaggg tggagaaaat 300  
 taaagctttg tctgaagtag ctactntgta tgggtggtac atagaagatg ggtaagtgtt 360  
 ctttaaaatt agatgaattg cctttttttg agtccatgct tttgttcaca t 411

<210> 7762  
 <211> 239  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations

<400> 7762

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aacttaccaa cttgaatata tagactttta gatgctcgtt gagtagattc aattgtttct 120  
ttgaattgca tcaacaaatt atccaaatta gaacttcttt cttctggata ttgattgtan 180  
gggtgtaact cttgtcccca ctgataattt tccatggagt agctcttgct aacctgaat 239

<210> 7763

<211> 168

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7763

atgtgtgccc ctgctattct agaagcatgg ccaaaagtnc aagtgtggtc tgattatcct 60  
gtaccttcta gcatattggt gaggtttgat tctctattg aagaccaaac ggtagttaa 120  
taacatagtc gtctatatga tgctctcagc tttcttctt atgaatat 168

<210> 7764

<211> 347

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7764

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aaattgaaat tntataaata tttaattgta atcattcttt tattatctat ctaatcactt 120  
aaattcaatt ttgatttgg aatctctttt gtctatatca aacaatctca atctttgttc 180  
attctcata tactttcatt cctattcatt catatcaacc aaacacacct taaagagaac 240  
cagctcttca acgttcttac tcagagagag gtatatacta tcttttcttt atttcccatc 300  
atccggtgat taagtgagaa gtaattttac attgngcttt tgtcttc 347

<210> 7765

<211> 310

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7765



<210> 7768  
 <211> 377  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7768

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 gtgaaaactt gatggttgcc aagaactaga tgtattattg aggtcgagat aatttgcaat 120  
 attagagttt ttggtggccg ataccgatga tgttgagggt gatgagaaat aatttgattt 180  
 cgatgggggtt gagcttttaa tctactcaca gagaatcctt aggtttttaa tactaacat 240  
 tncctcttcg tgagtgaacca ctgcggtgtt tacctcatga ctntggtaca ggcgcgaggg 300  
 tctaccattc aacgtggtgg caatgatgag aacaaccacg agcagtagag caaccaaacc 360  
 ttcaagtcgt accacca 377

<210> 7769  
 <211> 158  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7769

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 taactacaac tgcannntaa ttataaggg aannattgta attgactcta tgctttgcca 120  
 tcttaggaca acaacgtgga tgaagatctt aatgatga 158

<210> 7770  
 <211> 263  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7770

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 ccaatagaaa attngtntc aaaagctttc aaactgaatt tacaacgttc caattaattt 120  
 caaatggtg taatcgatta caagattttg gtaatcgatt accagtgtgt ttgaacgttg 180

aaattcaaat tcaattgtga agagtcacac cttttcaciaa aaatgctttg tgtaatcgat 240  
tacaatggat tgtgaatcga tta 263

<210> 7771  
<211> 177  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 7771

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ctagncaagg gctgagagac catacaagtt tcttagcgac ttctaattat gtgggccatt 120  
aagtctatca tatgttgaca atagccgaga agcccatgaa tctctttggg gcggagt 177

<210> 7772  
<211> 351  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 7772

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tgcgcanaat ctcttgaact aggaagatgt tgtccatcat ctttctgttc ttaatgaagg 120  
cagtttgagt ttccccaata atagtctcaa gcaactggggc tatgcgggtg accaaaattt 180  
tagacataat cttgtataac aaattacaat aagatatggg tctaaaatgg gtaacctggg 240  
agggctaatc atgcttagga ataagtgcaa taatagcatg gttgatctgc tntannaatt 300  
ttctagttgt aaagaattca ttaaccgcct caaagatatc atcaccaatg a 351

<210> 7773  
<211> 356  
<212> DNA  
<213> Glycine max  
  
<223> unsure at all n locations  
<400> 7773

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gtatgatgna acaatttgag ttacagtatc acgtaaacta agattatcat tcaggatctg 120  
ttttctcatc catgccttgc acagttgggt ggtcatgact catgatatga ttgtacctn 180



taggaatgat aggtttttga tataaatggc cggtaagact cccttagtga attgaaaaag 240  
 tatctgatcc atggcatggt agaatgtgtt tacaaccatt ggtgccaatg atggcngaaa 300  
 taacaatgca tggttaatga atgggatttt nggatgcttg aaagcttaca atcata 356

<210> 7774  
 <211> 307  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7774

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 attcgtaaac cgctggatcg ccttgaaagt tctactagag gttcctagta cataaatcta 180  
 cattttgacc gttgggatct gctaaaaacg gcctggaacc cgaaatgtac tattcttccc 240  
 atgactagca atgcacaagc natttctgca catgtngaaa aattctgtgc acaatcaaca 300  
 agcattt 307

<210> 7775  
 <211> 329  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7775

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 tttatgtgnc agcaacgccg gccataata gttttagtac gatcaagcac attctccttt 120  
 ttgatttcgc tcagtaatag gtttaccatc gaggtcgctt ggggtatttc gtgggaactc 180  
 aaccgccgtt gtgtttcggg tgacattggc catccttgat agaagaggca aagaaaaata 240  
 tagccgacca tggcggcaga aaaaattctc gacaaacttg gattaaaaac aattctagcc 300  
 gacatcggcc aagaacgatt accggtcgc 329

<210> 7776  
 <211> 475  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
<400> 7776

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tcgggcaatg gtgcacaaca agttttccac atccacaaat cgcgcataaa cccaccatcc 120  
cctgttgccc acctccaact gaggtcacgt actcccacgt agcccatatc ctctgtttctc 180  
tcaacaccgg gtcccatca atcctcccaa tctttccca acatccaagt aactcaacat 240  
tcaaacaaca caaacatca cagccaagaa aacagggcat aggcagaaaa ttctgcccac 300  
aacaccaacc aaaatcacag ctgtttctac ttataggccc cangaacaat tccttcgttc 360  
caattcttta taccgtggat cgaactccaa actttactgg aagtctctag tacataagcc 420  
tacantttga ccgttgggat ctactagcaa acatgcagaa ctcatctac attac 475

<210> 7777  
<211> 329  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7777

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actaacctag ggaattaaaa gaacttaatg gccgagtgtg actaaaattg tggcaaccaa 120  
aagtcacctt cagcagccat caagccagcc accatttggg tccccaaaag gctgatgcct 180  
aggttgccaa ttgggccctt attacaactt gaaccaaacc aaactaaagc cttttagttg 240  
attaaccac aacatatttt tggtcagcca actttacaag gattgagcca ttatttagac 300  
aaactanaca ctctanaaat gagacaaag 329

<210> 7778  
<211> 270  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7778

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tatcatccta atccatgtcg ccaccacatc gaaccatcct tgtgtcttcg cgttntaatt 120

tttttgttgt cattaacttc cctatatttat tttattttta gtggaacttg ggtgagttta 180  
 atatactata gtttctttga ttaatagtcc accacatgta aagttttgaa agcattcgta 240  
 acttatgata ttggtaccaa atcttagact 270

<210> 7779  
 <211> 382  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7779

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 ctaggtggcg atggtgccac gacaatgtac cctaggttgc gggggtgccg cgaacaatac 120  
 gcgacgcaga ggtagtggag ccgtgacaat gtacccttcc ttttgcggag ctgacagtgg 180  
 tgcgacggag attgacctca acaggagaca ccgactaata gcacaataat tttcagacac 240  
 tgaggacgat gagtacgcgt gttcaattat cgcgcaaggg ggacatatat atatgaaacc 300  
 atgttaacga cgatgtattt ctanaccctt ctttgacagt cgatatgtct acaacggtgt 360  
 ttacaaatac accgtctttg at 382

<210> 7780  
 <211> 301  
 <212> DNA  
 <213> Glycine max  
 <400> 7780

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 tagagtttat ctcttttatc ttagtgagag tgattctcct aaattcttga gtgattcaag 120  
 aacaccctgg ctgtatcaaa ggactttcac aacctttgtg tgttgcctc gctggaaaga 180  
 gtgattcttt ccttcctttc atcttcaccc ttgttctttc aaatcacaat tccagaaaat 240  
 tcacccttgc ccagaaatat ctctgtggcca taactcccat tttacgcact caaattaagt 300  
 g 301

<210> 7781  
 <211> 410  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
<400> 7781

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gcacaacaag ttttctacat ccacaaatcg cgcataaaac caccatcccc tgttgcccac 120  
ctccaactga gctcacgtac tcccacgtag cccatatact cgtttctctc aacaccgggt 180  
ccccatcaat cctcccaagc ttccccaaca tccaagtaat tcaacattca agcaacacaa 240  
actatcacag ccaataaaac agggcaaagg cagaaaactc tgcccaaaac accaaccaaa 300  
atcacagatt ntctcactta aagaccccag taacaattcc ttcgttcag ttcgttaacc 360  
gttggatgga ctcgaaatat tactggaagt ctctagtaca taagcctaca 410

<210> 7782  
<211> 116  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7782

agcttatcat aatctattac atagctcntt ttgagacaat gnagtgattt ttaggagtct 60  
ctactntaat cgattacttc tctcttaaaa tgtgcttcag aagtgatcac aacttt 116

<210> 7783  
<211> 284  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7783

agcttcaaga gatcatccnc tcgacaacat tattggtgat atctcanaag gggtaacaac 60  
tagacactct cttaaagatt tatgcaataa tatggctttt gtatccatga ttgaacctaa 120  
aaatataaaa gaagccataa tagatcataa ttggatcatt gccatgcaag aagaactaaa 180  
ccaatttgaa agaaacaatg tgtggaaatt agtagaaaaa cctgaaaatt atcctgtcat 240  
aggaacaaaa tgggttttta gaaataaatt agatgaacat ggta 284

<210> 7784  
<211> 196  
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7784

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ctgatctcat tattcaacaa caacaagagg caaggaaaag gtagactact ctctgcaca 120  
agtaaaaatg tgagcatctc ttatatgcat agcaaaaaca aaccctttta tagcacgaat 180  
tctctcact atattt 196

<210> 7785

<211> 509

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7785

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catacgagct gcaagaacta catgctatat caactccgac ggaatgaact gcaacccatc 120  
tgaagttcta tagtagctta cctactgtaa gaccaggcgt tgtattcttt ctctactca 180  
agggcttttg tcccgaaaga gaacaatcac ggttttggca tgatagggtg taacgacgct 240  
gccctgggga gcgattgaan ttgctctcat agactacatt gaataagagt cgatctccct 300  
tcagctatat aatctctcgg gcgaccctac gaggctcatc catccgcgtt tgccttgatga 360  
gcctgcaca cgcggatgaa cacttctggt gcattctcaag agctgccaac taaggtcacc 420  
ttgtgaatgc gatcttaacg ctgtacaccc tgggtctccat aagagggtcca tcttcaagtc 480  
gtacactaag tcgtcttga gctcgattc 509

<210> 7786

<211> 320

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7786

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ttgcaactcc gaatgaaaca ttaaaatcta tgtgaatcan aatgcagaaa gaaaataaag 120  
tagtctgatt accctcttga agagcctcga tggttgaactg caaatcatgg cggctcttgt 180

ctaggctaga cattttcttt ctgcaatatt tattatgaaa agttattttg atatacccca 240  
gaaataaata tattaaaatt cccgagaacc atcaaagaaa ggagatgaag agctgacaga 300  
agatcaaatt ccgtcagaat 320

<210> 7787  
<211> 377  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 7787

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ctagtcgcgc attagttaaa aaggtgtata tttttacagc attgaggaga aataataatc 120  
aagggaataa tcattctatt ttcaaaataa taattgttac agctgtcatg aattactagt 180  
agttagttag agggggtaag aaaataaata tgaaagactg acagagggag gagaataata 240  
tatgtaagaa gagttggcct ctcanagagc taagttagga ttgatgcagc tcttgctact 300  
tcatngtatt tgataaagaa ctatccaacg aagaaaagtt tgacttatgt gagctcaaat 360  
tggatggact aatcact 377

<210> 7788  
<211> 112  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 7788

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ggatatggta cttccatact ttcggtcaca actttatcac ctctactcct ct 112

<210> 7789  
<211> 451  
<212> DNA  
<213> Glycine max  
<223> unsure at all n locations  
<400> 7789

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ccctgttcag taattacgcg aatatgtttt attgcttttg caaacggaaa attggccaat	120
aagatgggaa aacattttgt ttatatccat tgttaagaat aatagctcct attgggctca	180
tgtaacaaac gagggttaga ctgaagaatt ttcctttgtg tattatcaat atgtctaacg	240
acatacatga caaaaagggtg aacgtaagaa taatgtcagg agccatgtgc actaacacat	300
cccagtatga aacttcatga gaaccactct tagtgactgc cccacaaact cttgcgatgt	360
gtatgtctac gtgaggggaa caaatatgat aaatggtgga ttcgagggat cttaatTTTT	420
atcttcttta gtcgacgtgt atatttatTC g	451

<210>	7790
<211>	433
<212>	DNA
<213>	Glycine max

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tggcggtcgg	gcatggtgc	acaacaagtt	ttccacatcc	acaaatcgcg	cataaaccca	120
ccatcctcta	ttgccacct	ttaactgagc	tcacgtactc	ccacgtagcc	catatcctcg	180
tttctctcaa	caccgggtcc	ccatcaatcc	ttccaagctc	cctcaacatg	caggtaatac	240
aatattcaga	cagcacatac	tatcatcacc	aagaaaatat	ggcaaaggca	gataactctg	300
cccaaacac	caaccaagat	cacagttttt	ctcacttaaa	gaccccagta	acaattcctt	360
cattccaggt	tcgtaaccgt	tggatcgact	cgaaaatttt	actggaagtc	tctagtacat	420
aagcctacat	ttt					433

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<223>      unsure at all n locations
<400>      7791
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aacccttcat	ttttcgatt	cttcgctatt	attcctgttn	ncnnaattc	atattgtgat	60
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tttaaagatc	tatcggctct	aaactgggaa	atcgctctcc	tgccctaaat	aatgcaaaaa	180
ctactacggc	ttccgattac	gataacaatg	agggagaaac	ccatgctgtg	actgacattt	240

ctatatgca agtctccacc aagccatcat agtcattact cttccaatat catcccatat 300  
 ccttaccacc acccattatt cacaaaggcc gatcctaaat gtaacctaca aaccaccta 360  
 ccacacaacc aatgctaate accctcttta tcactaacca aaacaccaac caaaaggaat 420  
 tttgatcata tagcctgtaa gatccacccg aaattccggc gtatatgctt acttgggttc 480  
 atatctactc aataattcaa tggatcacta tccctgtaag gttccaacct cccttctcca 540  
 tgaaacatct gacacacatg tctattcttg aggcc 575

<210> 7792  
 <211> 470  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7792

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 cagtatctct tctaacaaat tctttcttcc tacacctata ctgaccgctc ctttcacaac 120  
 caattaacac aatgaactc cttcctccac taccagtctg tgtgtcagac cttataatga 180  
 ctgcaacaaa tctattttca tgagcaactg atcgagccca ctgcaaaaca tcatctcggg 240  
 tatcaaacac ctacaacgta acccaaaaaca atttagtttt ctacaacaca ttcattntat 300  
 caaatcactc acaataacga acattattac ctaagaagta ttaaacgcat ccgaacaatc 360  
 aacatgtggt tcgttcacac cacatncttt gtcatttgat catccatata aacttcttct 420  
 gacttatatt gcatacatca tcgacttcgt catctaaaac aaaaaatttt 470

<210> 7793  
 <211> 347  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7793

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 gtggagggtg aactaactcc cttgccaata ccaccaataa aaacacgaaa ggcaatatga 120  
 acaaactttt aaaaataatt ctaaaagtaa aagtaacttt ttaataaata aaaagtttat 180  
 ataaattccg agagagagag agagaaactn anagaaaaaa cggagttaaa cattacaggt 240



taaaaaaaag tcctaattcca gaagcagagt ggaatactga aatgtattaa gaaccaaaca 300  
aatagcaact tgcctttgca catacaggag gttcaacatg acataat 347

<210> 7794  
<211> 317  
<212> DNA  
<213> Glycine max

<400> 7794

agcgtctcaa tatattacgg gactcaatca gacatccgag taaaaagtta tcttcgtttg 60  
aattagctct gaggttcaga attcaatttc gagcgtctag atatattacg ggactcaatc 120  
agacatccga gcaaaaagtt attgtcgttt gaattagctc agaacttcat aattcaattt 180  
cgatcgtctc aatatatttc gggactcaat cagacatctg agtaaaaaag gtatggcggtt 240  
tgaatttgct gagagcttca acattcaatt tcaagcgtct cgatctatta cgggactcaa 300  
tcagacattc gagtaaa 317

<210> 7795  
<211> 535  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7795

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aacttgaagc ggatctaagc actgagctgc aactcatata tcctatttga tttgagagat 120  
taatgggttaa ttcaatctaa aattttaaata atcaagcatt taaatatatt gacccactg 180  
tcacttttga ctgccagaag ggggggttga aggttcacaa taaattagct tgattcataa 240  
ctttgaaata ccaaagcaat taccaactcg catgattctt atttccttgg attaataata 300  
ttgtttgact atcactacttg ccatgaaaac agtcacgttt ttattcttgc tttaaaaata 360  
ttgggatcac aactatttct attaataattt ttgcctctt accaaataaa aaagatatct 420  
tgcttgtgct ttggtaacaa gaaaatatat tatactcttg ttgcgtgtga acgtgaatgc 480  
cccataagt atttaactca ttgacacact ggattattat ataatccact cttct 535

<210> 7796

<211> 585  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7796

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 gagaatagct ttatcctgga cctaaagccc ctcaatcccc tttctttctt cttctcataa 420  
 acatgtcttg attttgtaag gtatcgaagc ttaaccttct ttacttatgc tgggtgtgaac 480  
 cttgtctcgc tccttatagc tctctaactt gacgttcttc cgaaatgaca attagttagg 540  
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<210> 7797  
 <211> 394  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7797

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 attcaaattt caaatctgaa gagtcacaac tcttcagaaa ctaactgtgt gatcgattac 180  
 aacaattatg taatcaatta ccagcaagga attgtcgaac ataactccca agagtcacaa 240  
 ctgttcaaga agttttgaat ggctatcaag gtctataaat aggtgacttg ngacatgaaa 300  
 ttctgaaaaa gagaatttcc tgacaaattg tctatcctct caaaccaaatt tgcttatact 360  
 ctcaaaagaa ttcttgtaa acacttcaaa ttaa 394

<210> 7798  
 <211> 343  
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7798

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agctagtgtg ttggttgaat gttttctcat gatgcagaaa ttattaattg attntggcat 180  
ccatataaaa ggagaaacaa aacatagaga aagtcaacac agatcaaggg ggctgtattc 240  
tgatttatct tacactctat taaagcatag taggacatag ttgaagtttc aaagggacgt 300  
catataacat gaaccgcgtc aaaatcatta tgttattatg cat 343

<210> 7799

<211> 293

<212> DNA

<213> Glycine max

<400> 7799

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acaagatcaa ggaattattc tatgcaataa aataattgtc ttacttaaaa gaaagtgtta 180  
atagtgttga tacattggag caatcattga aaatttgcaa acatggatta actaaactcc 240  
tctttttctc ttatggatga aatggataaa ggtctatttc cagggatgtc act 293

<210> 7800

<211> 329

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7800

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agaaaggtgt ctctcccagt tggacctcct aagttgaact tgaggtgatt cggtagcctc 180  
accgagaatt tcatcttggtg acatgtcatg ctctcttcca tcatcatcat caataggaac 240  
atatacctca tctccagggtt gttggacacc aacatcattc tgaacatcaa tattcaaatt 300

ctgaataggc ggctaaacta gttgaaaat

329

<210> 7801

<211> 276

<212> DNA

<213> Glycine max

<223> unsure at all n locations

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gtatgaattg aaatcaatac attatatnta atctcattgg tttttacttg ctttcctga 180

tcagcaccca tccttgagag atcagcncga gaaataaaga ctcacccca taccctatga 240

tctacaatag ttatgtttgc catatgtttc tcattg 276

<210> 7802

<211> 262

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7802

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tccgtgtata aacttattgt caattcaatn ttctcagagc ttcggatcaa aattttgagc 120

atcttgatat attacgggac tcatttagac atccgagtaa aaatttattg tcgttagaat 180

ttgatacgag ctcccggttt caatttgag catctcgaga taaaatgaga ccctctgtcg 240

ggcatcccga aaaaacgtta tt 262

<210> 7803

<211> 125

<212> DNA

<213> Glycine max

<400> 7803

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cttaacctga gagaaccctc tgaggcgat tgtgatgcat caaagatggg cttaggacga 120

ctgtt 125

<210> 7804  
 <211> 356  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7804

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 atgttggact gatagtgacc tttgttagaa ggacaagagg ggggacttgt gtaacaccct 180  
 aaaatatcgc ttattataaa tcaatattta atatatntat cgnngttatt gattatatga 240  
 ttgacttgaa tgagtttagg tatggtgtga attaatcatg tgtgaatttc ttgatgtgaa 300  
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<210> 7805  
 <211> 495  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7805

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 caattacaca ttctctctct ttggctaata atccgttggg attacacggt tctccaattt 180  
 ttttatttaa tggaaaaaag aacctttcag cacgtaaagg ctgtttttct ttttacccca 240  
 cccacatcca ctttacaatg cttatcatta gatttgacat gccacatcta ggagcttctt 300  
 atacattacc ttttttgctt ggaaatacac ctccctttct atattatcct cctattcaaa 360  
 gataacacct tccacttact gactccatct tttttttgt ttgtatgtac cgatactcac 420  
 accccctacc tttcttttgt cctttcaaca tacattttct tttcttttat tcacatacat 480  
 cctacctgct acacc 495

<210> 7806  
 <211> 204  
 <212> DNA  
 <213> Glycine max

Year	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	

<210>	7807
<211>	332
<212>	DNA
<213>	Glycine max

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agaaattcaa	ttgcacaaac	tttcaactgtt	gggatttgca	agataaatatt	tgtggagggga	180
gaaaaatgaa	tcacatgaag	atagtgcaag	tggagacttc	aattccttct	cattctctcn	240
taacgttggg	gaccctatca	gagcaaccag	aggaatctca	agaacttggt	atagatgtct	300
ctattcgctg	cggaagacat	gtgaaccgcg	tt			332

<210>	7808
<211>	347
<212>	DNA
<213>	Glycine max

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aattcagggg	agtaacaact	agttgcaagt	aaaacttaca	tattcttagg	aaagaaatga	180
gcttgtagcc	ttggaataga	tctatcttct	acccaaatga	gaattttgag	agcagctcta	240
gtggcattgg	attacatgtg	tcaatcgnag	accagacatg	acacataacc	cacaccgtag	300
gaaataacat	caagcataaa	tacaggaggg	agttgatgtt	ttat	tttt	347

<210> 7809  
 <211> 261  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7809

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 taataataag tatggttttc acaagaattt gtgcaataat taaataatta atagtaaatt 180  
 agatattgac gcgtgcaatg catagattaa gaaatatgta aatcgtatga ttagaattag 240  
 aattatttaa ataaataaat c 261

<210> 7810  
 <211> 88  
 <212> DNA  
 <213> Glycine max

<400> 7810

agctcgtaat ggtaagataa gagcatcaca cagtcttcta ataagtataa gaaaaactat 60  
 aagtataaaa taaagtagat gtacccta 88

<210> 7811  
 <211> 443  
 <212> DNA  
 <213> Glycine max

<400> 7811

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 cggctcaaag ggctctcaaa agaagtaatg ccaggatatg ccatgtggct agaggcctat 120  
 aataacataa ttgcctaaac catttccaac aatgcatgtg acacttgaca catatccaag 180  
 taactctcaa ttgctctctt ttacacaagc actaggtgtc tatectctcg aaaacatata 240  
 tccttctcct ttactctaac gtcgaatatt gaatecttac tcttcttctt cttcatgat 300  
 cttccatttg ctttctacca ggtgatcctt ctctcttttt ctgcaatttt attctttact 360  
 ctctctttac cgtccatttt atcttctatt ctaccctttc tcgctttctt ttttcttctt 420  
 atttcatttc tctctctctt gcc 443

<210> 7812  
 <211> 131  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7812

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 ttccctaatt c 131

<210> 7813  
 <211> 508  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7813

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 tttgaagctc actacaagcc ttaagtggac aaccatgata ttaccatatt cttgaggaat 180  
 ttttgagctt tgcaaatggt ctgcgaataa gtgcgggggg ttatatgttc attggacaac 240  
 ttgttttgtt ggctatgcat catgatgtat ttccgggcat tcttgatgga cattgtatat 300  
 taggtaaattg ttggacatgc tgaaagaaaa gctgtttctc acaagctaca acaaaaaaaaa 360  
 gacagttcgg ataaaaatta gaataaatac tgagcagccc ttccgttgcg tgaatggaat 420  
 cctaaatggc tcaacaacga cgaaactctt aggtcttcct ctcaagaaaa gatctgatct 480  
 gtactaagtc tattgtcata tttggacg 508

<210> 7814  
 <211> 458  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7814

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 cagtttaatc gattaccaga agacaatttt aaaaatcaga ttttaaaaaa gggttttgaat 120



tagaatttcg aatcatgtaa tgcattacta gatgtttgta atcgattacc agcaacgaca 180  
 cttcagaaaa aactttgaaa agtcatgacc cttcaaaata taactgtgta atcgattacc 240  
 agtgaagaat tttagaaaaa gctttttgaa aagacacata tcttcaaaca attttcaaaa 300  
 ggcacaaagg gcctatatat gtgtgtctgc attgtaaaat caagagagag atattctaag 360  
 agaacttaat tgccaagtgc tctctcaaca acttttggga aaaacacttc caaatctatt 420  
 gagaattcat ccaggaactt caaantgtat tatcatct 458

<210> 7815  
 <211> 273  
 <212> DNA  
 <213> Glycine max

<400> 7815

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 cggaaacgaa ttttccaagc caatttcaaa gagagagaag tgccaaagg gctgaacccc 180  
 ttctttcttc acttctctcc ctatttatag caaaataggg gaggggtgtg ccgcccagct 240  
 cgcccaggcg agctcagctc gcccagggtga gcc 273

<210> 7816  
 <211> 444  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7816

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 aatatgtctc cttttgatg acattgttgt tgttcaatct atgctatatt tcatgattta 180  
 atttacgggtt ttattatttt aatttatgca ttttagaatt ttgcttattt atgttgaatt 240  
 taatcacgtt taactatgat agcttgatga tgttaaaatc tatcgaaatt gttaaaattg 300  
 tgcttggttag ctnttgatt gttggacata tgacatttga aattaggttt tatgctatgg 360  
 attgaacttc acctaggagt nttgttcttt ttgtgtgatt cattntacat tcggtaaatg 420

acaatgaana caagtgatta gagt

444

<210> 7817  
<211> 470  
<212> DNA  
<213> Glycine max

<400> 7817

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agacgagcca cggctcttggc gacgccggcg tggccaccgg tgggggtggc atgatactct 180  
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agcagtttgt cagcaatgga gaactcacgg tgggtggtcgg gatgattctg aacatcaagc 300  
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agacaaggga cggagagaat gagaaaggct tgagaagctc ctttcggtaa cctagataag 420  
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<210> 7818  
<211> 412  
<212> DNA  
<213> Glycine max

<400> 7818

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aggtggcacc ttatcctccc accaaggagc ctaccaaacc tcaccccaca acgaatggta 180  
ccactcaagt catgagcatg gacgaaggat ctccagtcca agccttgact atcttccaag 240  
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agcctattga aagcttgta agctacagct taaatccaat cttgagcaat ctatgcaact 360  
cagtagggac ctcaccaacc ataagcacag acacatagtt gatgtcctac ac 412

<210> 7819  
<211> 347  
<212> DNA  
<213> Glycine max

<400> 7819

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aagctaccta gtctataaat agaagcatgt gtaacacttg ttgcaacttt gatgaatgaa 180  
agtcttatga gacacacttc aaagctccac ttctatccct cttttattcc ttcaatttcg 240  
tgctcccccc ttctctcttt cttttctctc attaaagcat gctcttcaag cttcttatcc 300  
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<210> 7820

<211> 338

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7820

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cttttcactc agaggtccga ttcaggcgca taatatatcg agatgcacat aattgaacaa 180  
cggaagctct cgagaaattc atatggtcat accttttaac tcggagtctt gatctangcg 240  
cataatacat tgagacgctc gaaattgaac aatggaagct ctcgagattt caaatggtct 300  
aactctaact cggagggtcca atcaggcgca aatatatc 338

<210> 7821

<211> 343

<212> DNA

<213> Glycine max

<400> 7821

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aataagctcc ttgtgaagac ttcctataag gatggagatt aatagatttc tttctaaaca 180  
agctcgaca tgagtgttat acaaaccaat tttctcaaat tctttaagct accagagtga 240  
ttactctctg gtaatggact acctgttatc agtaagcgat taccagttgt cataccctaa 300  
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[illegible]

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attgaaacaa	acgattagga	cttcagataa	aaaaaaatag	aaatagaaga	tggacaacta	180
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caagtagcaa	gattcaagac	at ttgagttc	ttaagctctt	tctccccata	ataacctaaa	300
cgagatttta	aattgttatc	gtggttgcaa	ttttgttaca	attctcgata	ttgtgaaaag	360
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tattga						426

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<223>      unsure at all n locations
<400>      7823
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ttttctattn	tttttgaat	tctttttccg	taacattacg	aaactttatg	aatttcgtaa	180
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ttggctttca	aagaagttac	ggaaactcac	ggattgcgca	aaaacacctc	ttttcgattt	300
ccgccacatt	acggaatttc	acggattacg	caagcctgct	ctcttttggg	ttgttgagac	360
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3329

[illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible]

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aacatttaca gttaaagtta accattcaca ttatagttta acgattaaaa tttcaacaat 180  
tttgtaattt cctttacata ttaaagtatt ttataatgat tttagttatt agttcttaat 240  
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taaaaaatgg acctgacagc gggaggggat ttataacat acatctaatt tattctctgt 360  
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<211> 444  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7827

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gaatggagca attcttgcca ttgcttgatc acctttactt gcaaagctag catagattcc 180  
ataggatgac taattagctt ctaccatttc aagttttcca tcttcattcc aaatgaaaag 240  
cttctgatga aatgttgatg gaactgctcc tactccatgt atccattctc ttcccagtaa 300  
catgttgaag ttagcttgca aggaaatcac tanaagagtt gtaagtcttg atggaagggt 360  
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<210> 7828  
<211> 465  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7828

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tcaaggtttg agaagtgaat atgagaatgg ggtaaatttg gagcaaactc tcacctcaaa 120  
caaatctata tcatcaatct aaacttgctc aaactggttt tacgacaaaa actctaccga 180  
atcaaaattt gactcctcaa cacccaattn taccctaaaa atggctcttg ctttcacttt 240

ggtcatatgt ttttctctct tgcacagccc aagctttctc atatgtccta gatgacattt 300  
 caaactaagg tttactcact ttaacctcca tttaccactg aatcccgttt tagccttcca 360  
 actctcaaag ccttacttct tttctactcg taacactaca ttctcacttt ctatccctag 420  
 gttaactcta ccctctcatc ctagcaattn ctcatcagca atttc 465

<210> 7829  
 <211> 452  
 <212> DNA  
 <213> Glycine max  
 <400> 7829

agcttcacct tccatggctt attccctagt ggattgtgcc tcctctcacc tcttctcctt 60  
 tatctttccac tgcacttcca tgggtgaaaa ttaccactaa aggacctcag tgaagctcaa 120  
 agatccagcc tccatagaag cttctcaagc aagcttccat catgatgaga aaaaagatga 180  
 cagagaaaagc taagagaata cttaataaaa ccattaaaat gagaagttgg tagaaacact 240  
 tggtttatac tgattcactc aaatagagct acgtctagtt ctcttttata gaagagtaaa 300  
 gggttccatt aatctaaaaa tttgattacc aaacaagtat tctatccttt cactcctggc 360  
 tatacaagta ttcttctagc cacttttggc actaccttag agttcccttg aatctaagaa 420  
 cacctaagta tattttaaca ataagccact tc 452

<210> 7830  
 <211> 416  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7830

agcttntagt atgtttaaga atttatttca agacttttgt taaagctata tctganaata 60  
 ataaatcact ttgtgtaatt aacatgaaaa atgtatcgat atgggtcaaag tgaataatta 120  
 catctttaaa gatgcgtctt tcactttaaa acgattgaac cctttctttc tttctttctt 180  
 ttttgtgaaa gatgacagat tcaacggccg acacaataga cataaacttt agaacaatta 240  
 tataatgatg attgttttgg atatatcaag ctcaaacaat ttgtagtggc tcttctttta 300  
 tagaagaccc ttcccaaaga gaaacaaagg atctacatat gtcatagnta agttggagaa 360

gaagattact ttcccaaatt gggggtaaag atctagtata tgtgaccgac actatg 416

<210> 7831  
<211> 339  
<212> DNA  
<213> Glycine max

<400> 7831

agtcctctca aggcgaggac gtgtagttct ctgtcggtaga gggtaactag tacccaaggt 60  
gagggcggtg agccctctca aggcgaggac atgtagtcct ctggaggtaa gggcgtagcag 120  
ccctctgatg gtgaggacgt gtagtcctct caaggcgagg acgtgtagtc ctatgacggt 180  
gagggtaact agtaccceaag gtgagggcggt gtagccctct caaggcgagg acatgtagtc 240  
ctctggagggt gagggcatgc agccctctga tggtaggagac gtgtattcct ctcaaggcga 300  
ggacgtgtag tcctctcaac ggagatggta aatattacc 339

<210> 7832  
<211> 421  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7832

agctnggccca attggaagaa ttgcaaaatt ntgtctttat atgtcaaadc tgcattttctt 60  
aatggccctt tagatgaaga agtttatatt cagcaactcc ccggatatga agtcataggc 120  
agtgaagaca aggtgtacat acttagaaag gctctatatg gactaaaata ggctccaagg 180  
gcctggaata aaagaataga ctccctttcta catgggtgaag actttaaaaa atatattgta 240  
gagcatggta tctatgtgaa ggcaactaag gatgggtggag tcttgctaata atgcctatat 300  
gtggatgatt tgctgattat agggagtaat ccagctgaga tagaaaagtt gaagggcaat 360  
ctcaaactctg aattcgagat gtcagaatta ggcttgctat catacttcct tggatttgag 420  
t 421

<210> 7833  
<211> 446  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations



<400> 7833

agcttgagcc aaaatcctga ctactataa actcttgacc cagggtgaga atgccaatcc 60  
ttaccctcgg aagcaaaaaa agaataagagg ggaaatttcc gatcaaagaa aaagagaagg 120  
aaaatttcca atgaaagcaa aaaagaaatg aaggaaaatt cccaatcaa agagtgggag 180  
aaagcaaaaa aaggaaaaga aggaaaattc cccaatcaaa gagtgggaga aagcaaaaag 240  
aaaagaaagg aaaattccca atcaaagaat gggagaaagt aaaaaaggaa gaagaagaag 300  
gaaagaaagc tcctgatcaa ggatcgaaag aaaccagaag aaatgtgcag agaggtcttt 360  
ggaccagaca atatctgaac agtacagaat tgtcccaaat gaacganana agaaggaaag 420  
ggaaccacga cctaaaatag tcttct 446

<210> 7834

<211> 421

<212> DNA

<213> Glycine max

<400> 7834

agcttggtgct attccaagtt cattaatcat acctttaagc cagaatgctt cttcactcc 60  
ttcagctagg gccatgtact ctgcttcagt tgttgaaaga gcaacaactg attgttgatt 120  
tgctttccaa ctgattgttg taccaaacaa agtaaacaca tatcctgtta aagatttcct 180  
tgtgtctaca tttctgcaa aatctgcac tacataacct gtgattgctg cctcatatgc 240  
tgtcttcttg taccttaatc caactttcga agatccattt agatacctta gtgtccactt 300  
cacaacttcc caatgtgcac tgccaggatc tcccatgaat ctgcttataa tacttacagc 360  
atgagctaag tcaggtctgc tacaaccat tccatacatt atgcttcaac accactggca 420  
t 421

<210> 7835

<211> 300

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7835

agctntagtc tttagccttc aattatataa aagttccaag taggacaaag taaaaacaat 60  
taaataaaaa agaaaaaggg ttaaacaaaa aatattagtc cttaatgtct tgttgtaaga 120

acataacttaa cgtgggtcgt ggcttgtggc tcgtcttgac tcttgagaga aagggctctg 180  
agagagaagg gttcaaagag gcagcggcga tggagagatc tggcaatgga ttgcacagtg 240  
gcatggttgt cataagagag ggcgatggcg aactggtgga gctagagggg ggggggggtct 300

<210> 7836  
<211> 458  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7836

agctnngcag ctgacattgg ctttttggaa tcattcgcag acatgtcttc tgaacctgaa 60  
accagcatct caggcttgat ggtgggtgag ccgtccatgg attgactatg ctggtgtcta 120  
actctgggcc ttctattagt cccaataaca acattctcgg tagaagaggt ggggtgccct 180  
gacgccggtg ttgaagccga tgctcccaca gcattagacg gctcaaccat ttgaaacgtg 240  
gacgttgccg acgatgaatt gaacttatcc atatcaaggt acatggacag caagtcctcc 300  
tcggcatcat cggagaagga aggaccatca ccacctcaa caacaccaag gtcactgtcg 360  
aaactaatat catccggtaa agtgagaatc tccgaatgag cacgcctatg acctctatct 420  
ctcggnggat tatcaggcat tctgctaata tcatgact 458

<210> 7837  
<211> 340  
<212> DNA  
<213> Glycine max

<400> 7837

atcaccctta acccatgcgc tatctccttc ccacgacacg gtgctactcc ttgcttatac 60  
tgcgatccac tgttcttgat atttcttctg gcgaacggca gctctacaat taatctatct 120  
gtcccatcca ttatgatcca cccattattc tctactaggtg caagtattcc gcttagcgcc 180  
aatgtcagca aatgtcaata cttttcacga attcatcatt ttattattct atttttttca 240  
agctacagag tccgaatctc ttctgtttgg gtttaaagac tcaagctttt ataaaggata 300  
tttggcgact gtgtatgcat tatccaattc tcattttctc 340

<210> 7838

<211> 389  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7838

agaatcaata tagataatat tatgaagtgg aaaaagatcc atcattagtc ataaccaacc 60  
 aaaatcataa ataagtcata accaaaaata taactccaaa ccagtcataa attcacaaag 120  
 acaccattaa aaatccaagt cattaaaaga ctaaaagtcc aacataccan aaagataaat 180  
 aaagtgcaga anatgataac ttaaatacca tagccaaaat acacggctct aaaaagaaaa 240  
 tataaactaa actctaagaa ggtggagggtg gtggtggaag atcgaagctc tggcgaatat 300  
 aaccacatc ttcttcaagc tgtgtgagac agatantcat tctggcaaag cgaatatcca 360  
 atgaatcana acgttctcca acataagta 389

<210> 7839  
 <211> 451  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7839

agcttggtcg catatcggtc gcatgtatga tatctactct atcaagggtg aagtagagga 60  
 gaccttcaat cctatcacgc aacgtggcag acaaaagtgg gcagttaact tgaatgacca 120  
 ttattgtcaa tgcggaaagt attctgcgct tcactatcca tgttcacaca ttattgcagc 180  
 ttgtggttac gtgagcatga actactacca atatatagat gttgtttaca caaatgagca 240  
 catcttaaaa gctntctccg cacaatggtg gcctcttggg aatgaagcgg caattcctcc 300  
 ttctgatgac gcattggacac ttgtccctga cccaactaca attcgtgcga aaggctcgcc 360  
 aaaatcaaca aggataagaa atgagataga ttggctcgaa ccatctgagc accgacaaaa 420  
 atgtagtaga tgtggaacag aacggcacaa c 451

<210> 7840  
 <211> 353  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7840

ggatcttaag tcacctgagg catgcaagct ntgagctttg agcaccacaca agactntcag 60  
 taccctagta ccaacagtgt atgtaggggt ctgttcgagc cacacttcga agagcagtgt 120  
 aggggggttct gtgggtttga gcaccacaaa gacttttagc accctagtag caatagtgt 180  
 tgtaagggttc tggttcgagcc acacttcgaa gagcagtgt ggggggttctg tgggttcgac 240  
 tgaggggttt ccggcactat tgaaaacaat gtggaaggag gagggcaagg ttttctaggg 300  
 cgcggggttgt aaatgtgaag ttttaacttat aacataacac atccgtttct aag 353

<210> 7841  
 <211> 517  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7841

attggtttcg tgaccctgca ggacccgnga tactctacag gcgacctgcn agctgcaagc 60  
 ttanatggcc gaaagggaca agtcttgggt ggaatgcatg gctatcaagg accaaatgaa 120  
 ggcttgtcaa aggtcgaaga gaagtttgac cgatcacttt agtagaaca aagaatatat 180  
 gttcacattc attgaccagc ataatgagaa ggtagaccta gctgctgacc atgggccaag 240  
 actagaagac gatcatgcca cagtatcggc tctaccaatg gaatgggacg caggagagag 300  
 agtgattgaa taattgctct gcgaggcgat gaactggatg gatagattct ctctcactct 360  
 gattgggagt gaagagcttt caacgctgtt agccacagcc aaggcaatgg cggatgtata 420  
 ctcactctgc cgatgaaagt catgggcttt ttgatcatct ccgacacatg atcgagggtga 480  
 tgtcccatat gcatatgaac cactgatgcy tttgacg 517

<210> 7842  
 <211> 205  
 <212> DNA  
 <213> Glycine max

<400> 7842

cttctaatat tcctaggatc aatctgatgt tgcgacttgg aatcttgaag tattgtcttg 60  
 aattttaatc ttgaaaagcc catttgcatc aattgcaaca catcatcatg atcatcatca 120  
 aaacatcaaa gccattgca tctacacatg tgttctccac cttcgagatt ggagctatgt 180

ctcacgattg cctaagtgcg gaccc

205

<210> 7843  
<211> 403  
<212> DNA  
<213> Glycine max

<400> 7843

agctttttgag tgaaaggatg tgactcttca ccttttaaatt tgaatttcga cgttcaagga 60  
cactggtaat cgattaccaa aacattgtaa tcgattacag ccttttgaaa atatttggaa 120  
tggttgtaaat tcagtttgaa aacatttcca aacttatttc gctactggta atcgattaca 180  
acaatatggt aatcgattac cagagagtaa aaactctggt aaatgttttg tcaaaaactc 240  
atgtgctatt caaagttttg aaaaactttt taagacttat cttgattgag tcttttcttc 300  
attcttgaat cttgagtctt gaatcttgat cttgattctt gagatcttga atcttgattc 360  
ttgggtttag gctttcttca tgagtcttga attcttctta ttc 403

<210> 7844  
<211> 386  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7844

agcttcatta agaggcttcc tctagaatct tctcgtggc ttctttgaga agctagatcc 60  
ttatctattc acaccctctt attaactaaa ttaacctcct taaaaataat tacggatgaa 120  
aataacgcag caaataatca aacatcaaac ataattacta ataatatata tatatatata 180  
tatcagggtg ttacaccacc tatttttaggg acttggtgcc taataatacc tattttgggc 240  
accaacaaag cacaaggatt taagctcttg cgaaacanac cctcatccaa caacttcttt 300  
acttgaggaa taaaatcaag cccaagaggc gtgacaatgc tagcaagtgt ctttttacia 360  
aagagaaaat gtggagggtg tctaag 386

<210> 7845  
<211> 299  
<212> DNA  
<213> Glycine max  
<400> 7845

aattaatact attaagttct cgttgggcag acaaataaaa tagatggcac aacataaatc 60  
 tgttacgcgt gtacgataca atcgtgacat aatcgacaac acataacgac atgcatgcgt 120  
 attaaagttt gagcagcaca ccacattgac tgacttgact acacattcgt taggaatcat 180  
 atacacgaaa catgttcacg cgtgtctatc ttgttgata aaagtgagggc atcttctgtg 240  
 agaccatggt gtatctgaga ccgactaata gtccacatat cttgcttcac atagtctcc 299

<210> 7846  
 <211> 330  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7846

acaatgatgg aggccatgat gagcatgaag aagataatgg aagccaatgc gggtacaatt 60  
 gccgctacca gcaactgttg taaggtgaac ccgatgcccc catctggcct caaccaaattg 120  
 aatcatccaa ccttagctat ggtaggcaaa agattgggaa gtatgaatgg ccccatgatg 180  
 tgcaaattca aaacgagcac gccttcccg ccatatggctt gcctcccaac ttacaccagc 240  
 caatgtggcg tacacttcca atgagaatgc aataactcca ctctatact tatngagagc 300  
 caacaacctc aatctgatca tgcacatgtc 330

<210> 7847  
 <211> 393  
 <212> DNA  
 <213> Glycine max  
 <400> 7847

agcttgaagt tcaaccttga caactatgag gcattaaata tatacaacta taaaagaaat 60  
 agatgaaaat atcaaacaat aatattacac aacctaagag tcataaccta tgtttact 120  
 gaattcaaat agactcttga gtgttagggc cagacatata ataaacagag aaaatttcta 180  
 cgccaaaacg acgatataata aaaactattc atatctcttc acttactaac aataacattt 240  
 ttccgagggt gcaatttggt cctataaaaa atggactcaa accctaccta agttttgcct 300  
 tcatcaaaga catattgtag gtaatttaca tagcagggga ttctattcac tgcttctaag 360  
 gatggggtgg tctaatatga agcaatcaag aaa 393

<210> 7848  
 <211> 417  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7848

agcttgttga cacgcggaga ttacgtcat cttctacgt ttcaagatct gncataactca 60  
 aatttgagtc acgctgacgg gcggaataac ccgagtgggt atccgtataa acattctttt 120  
 ttgctgtctg taagacgaaa agcctgatag caagcagaga ctaacgtcgt tttctgcgcc 180  
 cttcgtcaat cgcggccgac aagtcccggt gacacgcgga gatttacgtc atcttccgcy 240  
 cacacaagat ctgtcatact gacatttgag tcacgttgac gggcggaaat acccaagtgg 300  
 ttatcgcata aactttcttt ttgctgtctg aagacaaaag cctgatagca cgcagagact 360  
 aacgcgtctt ctgtgccttc gcaatcgcg cgcagagccc attgacaccg gagatta 417

<210> 7849  
 <211> 229  
 <212> DNA  
 <213> Glycine max

<400> 7849

tgctctttac caagtctgga tcttctttgt atatgcattt gatgattggc ctaactgcaa 60  
 atcctaattg gcacagacca tgcaatattg gccgcgagaa tctttggaac aacgttaaatt 120  
 ttaaattaac tatccgaaca atgaattcat ccatatgata gaaaatgacc ccaaagaatt 180  
 ggtcacatac aaactgatgg cgtttatctt aaatggacat accactatg 229

<210> 7850  
 <211> 457  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7850

agcttgtgct ccaggaaacc actttttatg atgatcaaatt gaangcaaatt tttctgtcac 60  
 taatgcatca ccaattgaaa aatttgaatc actaaaactc caagcaagaa tcttagcact 120  
 gtctattatc ctccctgttg aataattatt tgatatcagt agtgatgttt ttgtttctca 180

actgggtggt gacatcagcc acaaacagtt cacttttctt gggttcctgat gctgtagtag 240  
tcttcgtatt gtgaaatttg aaattaatat tgttgcaaag gcagaacaat ggaaatttca 300  
aaatatgaaa gtgcgaactc acatgtggaa atctatcaat gaattttgct gcattagcaa 360  
cttcagtggc agctctgatt tcttcatttg ttgccccatc cttaccatag gcaatgtttt 420  
ctttgatgct gcaactgaag agtattgggt cctgact 457

<210> 7851  
<211> 272  
<212> DNA  
<213> Glycine max

<400> 7851

gactcacacc aaacatgtat gtgtagtatg ctttcaacaa attccttcat aaataattac 60  
cataatgcat aaacctagta aaattaccca tcatatctcc caaaaccag taccacgaa 120  
aatttatgtg agaagaagtc tacccaaacc tgaaatttga agtcccacaa ttagaggtg 180  
cgcttcacga ctccaaaaat ggcttccttt cgcgatttgg agcagaaatg gtgagcaaag 240  
gttggagctt tgatggagct tcaatggtgg ag 272

<210> 7852  
<211> 338  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7852

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ggttatcaag acgctcggaa ttgaaaacgg aagctcttag aaaaatcaaa cgacaataat 120  
ttttaactcg gatgtgcat tgagtcccat aatatatcga gacgctcata attgaaaact 180  
aaagctctga gcaaattcaa acgacaataa cttttgactc gaatgtccga ttgtgtccta 240  
taggatatcg agacgctcgt aattgagaac ggaagctctg agaaaaatca aacgacaata 300  
actcttaact tggatgttcg atggagccct gtaatata 338

<210> 7853  
<211> 453  
<212> DNA  
<213> Glycine max



<223> unsure at all n locations  
<400> 7853

agctntcacc ccataattcc nccaaatttg ggctaatttt ctttgaacca aaatttcctt 60  
ttatgaatga tgctctccta caacctaaga caagtttagaa ggagataaac tgtacaggct 120  
caaggttcaa tcatacaagg gataaatcaa tcatgcagaa ggtaagcttt ttcgctaaat 180  
ggctatcttc aatcaaaaaca cggccttcat cctcttcaaa ctcatgtatt cattccatac 240  
tcatagattc atgcagaaac cattacttac tgctagtcgt tctctcgcaa ttaaagatca 300  
cactccaccg ggttgcggtt aatgcattcc ttcacaatca acctgacaaa ccaactaaca 360  
ttntcagtca taatccaaat tccatattct ttctcttcta ataactgcat gctcattcaa 420  
ggcttatgat ctgcgcatth cagttcactc aca 453

<210> 7854  
<211> 407  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7854

agctngcacc aacattcagt agttcaatac actcttaaca aatagtcac atccatccac 60  
aattccaatc attcatgctt aatatgatgc atgcacctga cctcaactct catatgcaat 120  
gtggtaccat cccaaggaa gtagcctaag cgtgtccaca tgacactctc acttaggaaa 180  
actaggaagt aagtgtcgag gtcaccctat cgtggacagg aaactctccc cccacatgg 240  
tgatcagcct gagtctcaag ggagttccaa accgagtgat atgcccccta gtacaagtat 300  
tctctctcac aagaaactat aattacttac taacaaagtt tatactatct ccatgtcata 360  
tgaagtatga aacacgggca ccatcaaag cactaaacgt ggataat 407

<210> 7855  
<211> 427  
<212> DNA  
<213> Glycine max

<400> 7855

agcttgaaca atagttgtta actcaactta tagaactg ctaacccta gattattaga 60  
aaaaccctaa tccagttccc ttggtcatct ctaagaacac caccaccagt tgctaaatgg 120

ccatcattct tcaactgaacc atctacacta aatttgcaaa aaccttcatg tgggtctttaa 180  
 aaaacctaatt attctactct ttaagattaa aaaagatcag ctcttgaaat ctacatcaat 240  
 atgatccata ttgcaaacct tgattgtatt ccaaacctct gtagcaaaaa aaaaatctct 300  
 aaaaagatgc acatttgttt cctgttgatt accataaata gcacaaacat cattatttga 360  
 aaagccataa tcatatctgt tgatgttagt ctttaaacct ccattaataa gagaccaaaa 420  
 gaacata 427

<210> 7856  
 <211> 451  
 <212> DNA  
 <213> Glycine max

<400> 7856

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 tggaggaatt ttctggaagg cccaagtggg tctggttgcct atttgacccc ccattttttac 120  
 taaatacacc cccttgcctt attttggtga ttctttttcc ataacgttac gaaactttac 180  
 gaattttgta acgatacttg ttttctttcc gtaatgttac gaaaccttat ggattacgta 240  
 atcatccctt tttttgcctt ccagaacgtt acagaacttt acggattgcg cactaacact 300  
 tccttttaat ttctggcaag tcacggaact tcacggattg tgctacaatg ctttcttttg 360  
 acttccggca tatcacaaaa cttcaagaat tgcctaacga tgggtgccaa gtacctcgaa 420  
 gtggcaaacg agggtcgcat ctacaacgga t 451

<210> 7857  
 <211> 413  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7857

agctnttcga ttcattctat gtacccgtag tgtttcacat tgtgtttcgg gcattnttat 60  
 tctcgtnntg tttacttttt ataccccttg ttgacatgct taagccattt tgcttaagtc 120  
 atttctcgct taacttaaaa ataaaataaa tttccaccga acgtttgaat tatattatcc 180  
 gttaacttcg gttaaaatca attccgaccg ttccggtcatg ccgtaaccac gttggaaatc 240



tcg

423

<210> 7860  
<211> 457  
<212> DNA  
<213> Glycine max

<400> 7860

gcttgacac aagattctcc ttggctggca cttcataact ctttggttgg gtcttataga 60  
tgtcttcttc taaatcccca tgcaagaatg cagttttaac atctagctgc tccaagtaaa 120  
gattctctgc agcaacaata ctcaaaataa ctctgatggt agtcatcttt acaactggaa 180  
aggagtctct gtgatatcaa ttccctgttt ctactgaaac cttttcacca caagtctcgc 240  
cttgatatctt cttctaccgt cagattcttc ctttagccta cagaccacc tattttgtaa 300  
cgctttcttt cttctcggca atttagttaa agaccacgtc ttattcttct gaagggatgt 360  
catcttatct ttcatcgcta gcttccactc aatagtgtca ttccctgca tagcctcact 420  
gaaacattct ggctcaccaa catcagttaa caacaaa 457

<210> 7861  
<211> 195  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7861

tctatgccac tcttggtact atccttaatc aatgaaactc gctaactaag tacaactaag 60  
attcacttaa ttactcaag tttctttcat ccagtaagac tgataccatt gcanaaactt 120  
gatcgttatg tctcaaatta ttctcttggt attcaacaac ttaacacgaa catcttcaag 180  
ctttatatag acttc 195

<210> 7862  
<211> 361  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7862

agcttaaaca ttcaatntcg agcgtctcga tatattacat gactcaatca gacatccgag 60

taaaaattta ttgtcgtttg aattggctca cacgctcaac attcaatttt gagcgtctca 120  
 atatattacg ggactcaatc agacatccga gtaaaaagtt attgtcgttt gaataggctc 180  
 agagcttttaa cattcaattt cgagcgtctc gatatattac gggactcaat cagacatccg 240  
 agtaaaaaga tattgtcttt tgaattggct cagaggttca acattcaatt tcgagcgtct 300  
 cgatatatta cgggactcaa tcagacatcc gagtaaaaag ttattgtcgt ttgaattggc 360  
 t 361

<210> 7863  
 <211> 455  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7863

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 gaagtacttc gctagttaac ctgacttttc ctaattgaac agaattgaaa ttgctatcct 120  
 catatgtttg ttaatcacac atcatctgtg aatttgtgac aggttcatac ataacaactc 180  
 atttagcagg gaaataccag ccggattaat atctaaaaaa atcatttata agtaagtatg 240  
 cttagcaatg gaacaatttt cttacatatt ggtaattata tgcaattaat tgctttaaat 300  
 gctcatcgat ttgactagga aatggaatca gtttgaacat aatagaacaa ggatattttc 360  
 aactagtctt gtaccaagat ttaagtaaca tccatattta atttctgctc tagctaggat 420  
 ggtattcttg aactatacag aggaaacaag aagca 455

<210> 7864  
 <211> 436  
 <212> DNA  
 <213> Glycine max

<400> 7864

agcttccagc aaggctctta taatcagcaa ggtctttgaa ggaaacaccc cgacaaccag 60  
 ttcaataaag accaggggtg atcctcaaac aagccaattc aacaagggcc taacatcttt 120  
 cagaggacga ctaagttgga agagaccttg actcagttta tgcaggtaat gatgtcagat 180  
 cataatagta ttgagtcaac actaaaaaac cttgaggttc aggtgggaca actggccaag 240  
 cagatagttg acaagtcatt caacagtttt ggagcaaata caggcaataa tcctaaggag 300

gaatgcaagg ctatgatgac taggagtaaa aagtttgtgg aagctgagga tgaagagagt 360  
 gtggtgtaca aggagcaaat ggggtgaaaag ataggtgctg aggttaagga aaatgatgtg 420  
 aagggtaaag agaatc 436

<210> 7865  
 <211> 454  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7865

agcttgcttg tggggcttct atggaggctg gatctttgag cttcaatgag gtcctttaat 60  
 ggtgatntc caccatggag atgcagcgga agacaaagga gaagagggga gaggaggcgc 120  
 catccactac ggaataagcc atggaagaag gagcttcacc accaagatga gccttggata 180  
 agaagcttgg agaggatgct tcaatggagg gaaagaaaga gggagagaaa gagagagggg 240  
 ggagcatgaa attgaaggaa taaaagaggg agagaagtgg aactttgaag tatgtctcac 300  
 aagactctca ttcacaaag ttacaacaag tgttacacat gcttctatat atagactagg 360  
 tagcttcctt gagaagcttt cttgagaaaa cttccttgag aagcttcttt gagaaaactt 420  
 ccttgagaag ctagagctta gctacacaca cccc 454

<210> 7866  
 <211> 496  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7866

ntgaattcga tgcnatctag taccgcgat ccttagagtc acctgcggca tgcaagcttg 60  
 agctataaga atacgacaag gatatgttat ttatcctcgt cactggcgc atctccaaac 120  
 catgtccctt gagcgtgcac accctgtatt ggtagataag ccattcatga tcatgagggg 180  
 cgtctccatc cataattgga aagctgacac caagctctct agatgaaaga ctggcacaat 240  
 catgcaatac tattagcagc tgcagcgtgt cttatgtgtg ctattgccat gtaggagagg 300  
 acatatcgat ttatatgtta tattaagggt tacgcattga aaaatgagag taactcttag 360  
 aagcgaacat agcgtcgaag atgcttcacg gcgaaggatc atgtgacgag gttcacaaca 420

ctatacatc ctactaatca tgcccttcaa cgagtntgat cttaatagat aacaacacac 480  
tatgacttat gcgttg 496

<210> 7867  
<211> 432  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7867

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ctttgaataa gctatattat cttacacaag atggagttag tgaataaatc aacattagct 120  
tacaaaagta aatggatatct ttagtgaata atatatttac ttgcacaaag tgatttccat 180  
tgacaaatct aattgcaata agatgagtga gatgcaactg gtgtgagact cctaagtgga 240  
aagatccaac ttggcagcct agataagtgg accgatacaa cattatatca accagtaata 300  
acataacca tgtcgggaat gatcatctac ttcacagtag gcattgggcc ggccacattc 360  
aacatacaaa gaagttatta atgtcaacaa tcgttcttct aagccaaata attgaacata 420  
cggagagtat ca 432

<210> 7868  
<211> 383  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7868

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aagacttgtg ggtagctgca caacatcatg aatctttgct tcgtcagaag tcgagagcaa 120  
gatgggtcaa ggaggagat tctaattccc attattttca tttgctagta aatgcaagaa 180  
gaagagataa ttctctgcaa ggtttatgga ttgatggagc ttgggttgaa gatccgcaa 240  
gggtcaagga gacaggaaga caatttttca tctgcagatt ccaaaaagtg gttcacaata 300  
gacccctcct agatgngta gaatntcagt cattagatca gtaccacaat aacttgctga 360  
gtgggagatt tacggaggaa gag 383

<210> 7869  
 <211> 406  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7869

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 tcaaccataa agggcattca attttaccta tatatgcgtg tgtttgtgat tgaattattg 120  
 aagggtaacg ggtaacattt ttaccctcat ttgattacca aaggcaacat agccttgatg 180  
 ggtaaacaga ataataaagg cacactcatc atacaaattc catttaaaat atgtgtcaat 240  
 gatagcttgt caacatttaa ttaggctgga ccaacaactt tatttgtttg aggatattgg 300  
 aagggaagag gaaccttaca tccacatttg gtgtagagag agctcagacc atggccaatg 360  
 cgggaccaga ttggtgggtg cattatagcc tgtgaaagaa tcctat 406

<210> 7870  
 <211> 424  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7870

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 gttccgagta cattggactt ggtacgacca tgccctcctg atttccagct gggaaattgg 120  
 cgagtggagg aacgccccgg catttacaca acgagcataa tgtaaaccct tacaatttta 180  
 aaagctctat agttgggcct aggcctttaga gtttttcctt ttgttaaggc tttgtgtcct 240  
 ttgtttttga atttataata caaggatctt tcttcatctg ttcctacgtc tctaccatt 300  
 ctcatctatt tgcattgtta cttctttttc tgaaacggca gatccgatga tgagtccnc 360  
 gaaggtacta atacctggga ccgcctatc aacttcgagc aagaaatgag tcaaacggaa 420  
 gatg 424

<210> 7871  
 <211> 333  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations



<400> 7871

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atgaactatg aagaacgaat gaagaacgtc gaagaacggt tgaaaccttt gcgagattcc 120  
tcacggaaaa cgttacggaa acgttttcgga agcgccctcg cttagattnt cttcacggaa 180  
acaatttttc caagcaaatt cgaaagagag agaagtgcct aaggggctgg acccctttct 240  
tcttcacttc ctcccctatt tatagcaaaa taggggaggt ggttgccgcc cagctcgccc 300  
aggcgagctc agctcgtcca ggcgagcagg gtt 333

<210> 7872

<211> 441

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7872

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atggctgcga tcaacatatg ataatcctta gaagattagg cctccggtta cagtggaaatg 120  
ttatcgtttc ttgatattgg aattggagaa aaatatgttg tgcaacccta gtataaattc 180  
cttaaagaaa gtgatttttc tcatggtgat gaaatctcat tctactacag gtgtcatgaa 240  
taaatttgga aaagtattat tagaagtcaa aaggattggg acgacactga tagtgactaa 300  
attaagctta ggttggttgt tttgtttatt aacattatca tggccaatga gtaatcttgc 360  
tcttttcttc tatgcaaaca atctaattat tattaatggt acatatattt ntatttctgt 420  
actatctttc attctaatac t 441

<210> 7873

<211> 407

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7873

agatgatgac accaagctcg aaagtcaaga tcaattcatg ataacaaaga tgatgacatt 60  
ccagaatgaa ttcaagaatg agttcacgat tgagtcaaga acatttcaag gatcaagagg 120  
aaagaatcaa gaatcaagat ttaagattca agaataatca agatcaagat tcaagactca 180

catattcaag aatcaagaga agacttaatc aagataagta ttaaaaaagtt tttcaaacca	240
ttgagtagca caagaagttc tcacaaaatc attaccaaag agttttactc tctgataatc	300
gattaccaga ttatagtaat cgattaccag tgggttttaa atgttaagaa tntcaaaatt	360
caaaatgaag agtcacatct gttgagtgac tacttttcgaa caattca	407

<210>	7874
<211>	459
<212>	DNA
<213>	Glycine max

gcttcctacg	tgttaagcta	taaatagaaa	catgtgtaac	acttgtcata	actttgatga	60
atgagaaact	tgtgagacac	acttcaaagt	tcaacttctc	tcctctttct	ccttcaattt	120
cCGTgcccc	ctcttctctc	tctcattctc	ttcctccatt	gaggcttcct	ctctaagctt	180
cttatccaaa	gcattctctt	ggtggtgaag	cttctccttc	catggcttat	tctctagtgg	240
atggcgccctc	ctctcacctc	ttctccttta	tcttcgcgtg	caactccatg	gctaaaaaat	300
caccattgaa	ggaccttata	gaagctcaaa	gatccagcct	ccatagaaac	ttctcaagca	360
agcttccatc	ataaggcttc	ttcttaaacg	ataggagtaa	catgatgagt	gaagacgaat	420
cttgagtaag	gaaaatgcac	cataaaagag	aagtacaat			459

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<223>      unsure at all n locations
<400>      7875
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[illegible]

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taaaataggcg	acccgaccta	ctttcaccct	taatgataat	agataattta	taagtgtgat	120
tcttgaaaca	ttctagaaaa	acatttgtga	ttttatcaat	ttccttattt	taaacaaatc	180
tttttatata	taaaagttag	ggaattatta	ttattattat	tttaaggcta	agttacaatt	240
ttattttttt	tagttntatt	tgggattttt	atcttctttt	tcttccttgc	gatttttaata	300
cccaaaattt	aaaaaataat	cattttgatt	taatcttcaa	ccttgtatac	atttattttt	360
atttatttnt	taactttaca	ttataaaatt	atttgtaatt	gttgaaatat	tattttctac	420
cttaccataa	tattgacata	tcac				444

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<210>      7877
<211>      426
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      7877
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3352

agatac

426

<210> 7878  
 <211> 399  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7878

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 actcagcggg aagtaatgga ggaaatcgac attcccatte agataggccc ccacacttgc 120  
 aatgtggtgt ttcaagtaat ggatataaat cccgcctata gctgcctctt gggaagaccg 180  
 tggattcatg ccctgngagt ggtcccttca acgctccacc agaaattgaa gttcgagtg 240  
 ggtggacttt tagtgatagt gtcgggtgaa gaggatatgt tagtgagctg cccctccttc 300  
 gcatcgtagc tagaagcggc ggaagaatca ttggaaacgg ctntccaatc ctttgagggtg 360  
 gtgagttgcg cctctgtgga accaagtcgg tgcctacct 399

<210> 7879  
 <211> 402  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7879

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 atgttaggtc ggctctaact gcaatgggtat atcgaaaggg gctaaggata tcaagcttgg 120  
 ccaagcaaag tcacacgagt ggggaggttg ttaactacat ggctattgat gttcagaggg 180  
 taggggacta ctcttggtat cttcatgaca tgtggatgct tcctctgcag attgttcttg 240  
 cccttgcaat nttgtataag aatgttggaa ttgctgctat tgcaacactg attgctacaa 300  
 taatttccat cgtcgtcact gttcctattg ccagngtcca agaaaaatat caagacaaat 360  
 taatggctgc taacgatgaa aggatgaaga aaacatctga gt 402

<210> 7880  
 <211> 414  
 <212> DNA  
 <213> Glycine max

<400> 7880

agctagccac ccagctcgcc catgcgagct atgttgcttc ctctgaagc aaccgccttc 60  
tggaggaatt ttctagaagg cccaagtggg tctggttgct atttgacccc ccatttttac 120  
taaatactcc ccttgctctt tgttggtgat tctttttccg taacgttatg aaactttacg 180  
aatttcgtaa cgatgattgt tttctttccg taatgtagca aaaccttacg gattacgtaa 240  
tcatccccctt ttaccttcc ggagcggtac agaactctac ggattgcgca ctaacacttc 300  
cttttaattt ctggcatgtc acagaacttc acgaattgtg ctaccatact ttcttttgac 360  
tttcggcatg tcacagaact tcacgaactg tctagcgatg ggtgccaagt acct 414

<210> 7881

<211> 418

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7881

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gagaggcttt gaggggtgggg gcatgcgata gtgatgatag tgaagcttta ctctttatgt 120  
gaattagaga agacgggaag tgaagagtct acagcttatg agttaacatt aatctggact 180  
atgctaagac acacttgagt gtattatttn tggctaggct caataagaag cacttcaaac 240  
acataactt ggtcaggttt aggtaccgac gatgtaaaaa tgtcattatg aaccgcgcta 300  
ataatacatg tgtcaaccog cttttatgac tcctatatca tgggtataccc acccagatta 360  
cacttttctc tctcgattgt tatcagtttg ggttggtactg agttcactcg aacaccct 418

<210> 7882

<211> 402

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7882

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ctacgagtag cttccacgtt ttttgtgata gtataacgag atttgagcat taaatgcata 180

tacttgaagt ggctccatgc tatgactctt aattcaaaat taagttattt ttaatgtttt 240  
ctattttctt tgtcatgaat agaaatatgt tgatttgaaa aaggagttga gcacaacaga 300  
tagacatatt ttgatagaaa cgggattcat tcgtcaatgg tgaacatcct cataagttca 360  
tattaaatta ccttgctacc ctcgaaacac ctacagaatt ga 402

<210> 7883  
<211> 449  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7883

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gtaagatggt gtttgttttg ggacactcac ggtgaataag gggatctaga atccatgaat 120  
tccgacaacg gtattaagtc ttaagagtta aagggggagg cattttcata aatgactata 180  
tcactacggt aaaataaaaa tatagctgaa ctagctgggg accaatttaa ggtggttaatt 240  
atgtgatgca gaataataaa cacaagtaca gctgtacacc gctaaaaaat accattccaa 300  
ctacaaacaa actctatgtg gctatctgtc atcatgaacc acttcagtag ttcatgttta 360  
atcataaatt cgtactatct ttgttgtgat cgattattaa gctgaaaaat aaaacgtctg 420  
cctaattcct ctacgcagat tgaaaggcn 449

<210> 7884  
<211> 459  
<212> DNA  
<213> Glycine max

<400> 7884

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taattatgat ctttcaagca acaaatacaa tccagggttg aggaatcatc taaatctgag 120  
atgggcaagt cctccacaac aacaacagac tatectctct ttccagaatg ttgctgggtcc 180  
aagcaagcca tatgttctct ctccaatgca gcagcaacaa caacaacaac aacaagaca 240  
acaagcaact aaggccccct ctcaaccttc cttagagaag ttagtgagga aatgactat 300  
ccagaatatg caatttcagc gagacaagag cctccattca gagtctaaca aatcagatgg 360

ggcagatggc tacttagttg aaccaagctc aatcccaaaa ttctgacaaa tttccttcac 420  
 aaactgtgca gaatccacaa aatgtgagtg tcatcatct 459

<210> 7885  
 <211> 122  
 <212> DNA  
 <213> Glycine max

<400> 7885

gcttcaccgg atgatgccga tgaacattt tctaattgtac ttcttccaat ggatattcag 60  
 ggattgaaca gaataaaciaa tggccagtgt cggtcgatat atggccccga ctgatatctt 120  
 tc 122

<210> 7886  
 <211> 398  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7886

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 aaagtgtgtg attgtgagtt tctgggtccca tgagtaacag aggtgaggta gtttgtgcct 180  
 tcatggttgg gatgatgttg cacgtgccgg tttgttggtg agagaaaaga tgatcatcca 240  
 cgtctcgtgt gtgcatagga gagtgtcttt gccctctcca caacattagt ttcaacaact 300  
 gacgttagtc gaaactggat ggtgagaatc aaaagagtaa aaaataaatt caactgagac 360  
 taaagtagaa tgatttatac tataaagact aaaaaaaa 398

<210> 7887  
 <211> 422  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7887

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 gcaagcaact cgattagact agcgattgtt taccaaattt cagcgtaaac aaattggcac 120

gcccagtgagg accggtcaat tgtgtgtttt ggttttaaat tattattaaa gttttgttta 180  
 gtgcagttgg tttattgcat tcttaattgt tttgatcttg tatgcattta agaagtggga 240  
 aatctgttcc acacttaact gaattcaaaa ctctgacaag gatggctaga ccacccccaa 300  
 gtaatcgaaa caatgacctt ccaaatatgg aggggcaacc aacgcagaca tctgtcagta 360  
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 cg 422

<210> 7888  
 <211> 417  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7888

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 cagcattgat gaaggcctaa atcacgtgct ctggctatct ggcaactcaac ctgcaccacc 120  
 cttaacgtct tggcctatcc gccactgacc tccccatgat gcctgacgaa tcccatagtc 180  
 caacatctga atgccacaac taggcatagc aatgaaaccc gtactcgtgg atatccgccc 240  
 aaatccatcc cgattntgat ggagaatacc tgagttgatt aggtacgggt ttgagttcga 300  
 ggattaccgc acttatttaa tccgtgtcga gttcggggac aaggatgtca ttaccattc 360  
 catactncat tccgtaccca ccccatgat gaaaattatt aaattctatt aattact 417

<210> 7889  
 <211> 341  
 <212> DNA  
 <213> Glycine max

<400> 7889

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 ctttatttcc ttgggctgct attatctttg agcactgcct cctgttatta tatcgcttga 180  
 cagttgactc tctcattatt tgtttgctat atagcttgaa ggagcccaaa cggctcaatc 240  
 tccggacttg tttgcgatat catgctttca tatggatctt cttagtgaag ctgaagatgc 300  
 attatgtcat gccgatgagc ccggtgcaga ggtataaaac a 341



<210> 7890  
 <211> 299  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7890

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 aagggcttca attgtatgct tagtgccaac tgttgcgata acgaacattg gcagccaaca 120  
 atgagtgcct gtcttccatt tggacaaaa atgattatct tcttgctgga cttaatatta 180  
 ataccacccg ttgcatttn tgaatctggg atgatgttta gcttaacctt tatagataga 240  
 acaaacttgg agccatatga catgtgatat ttgttcttgc acaattatca taatgcac 299

<210> 7891  
 <211> 422  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7891

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 aaggaaactt ggttaccatg tgagagtaat ttggataaat gaaaattggt ttggttggtta 180  
 tatgcatgag tatttcgatg cttgtttgca ataatgtaat atacaaaagt acctaccaca 240  
 tagagagtgc ctacgcaatt tggaatcaag aagtttcaga ttgtgtgatt gcattctcta 300  
 gcaccaaagc tattgcattg aaaaattact gcatacccaa aattacttta taaagttgca 360  
 accaatatta cttggcaaaa aagtagtcta aagctactct gtcacatggt acctcatgta 420  
 tg 422

<210> 7892  
 <211> 391  
 <212> DNA  
 <213> Glycine max

<400> 7892

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1	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.79	0.78	0.77	0.76	0.75	0.74	0.73	0.72	0.71	0.70	0.69	0.68	0.67	0.66	0.65	0.64	0.63	0.62	0.61	0.60	0.59	0.58	0.57	0.56	0.55	0.54	0.53	0.52	0.51	0.50	0.49	0.48	0.47	0.46	0.45	0.44	0.43	0.42	0.41	0.40	0.39	0.38	0.37	0.36	0.35	0.34	0.33	0.32	0.31	0.30	0.29	0.28	0.27	0.26	0.25	0.24	0.23	0.22	0.21	0.20	0.19	0.18	0.17	0.16	0.15	0.14	0.13	0.12	0.11	0.10	0.09	0.08	0.07	0.06	0.05	0.04	0.03	0.02	0.01		
2	0.99	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.79	0.78	0.77	0.76	0.75	0.74	0.73	0.72	0.71	0.70	0.69	0.68	0.67	0.66	0.65	0.64	0.63	0.62	0.61	0.60	0.59	0.58	0.57	0.56	0.55	0.54	0.53	0.52	0.51	0.50	0.49	0.48	0.47	0.46	0.45	0.44	0.43	0.42	0.41	0.40	0.39	0.38	0.37	0.36	0.35	0.34	0.33	0.32	0.31	0.30	0.29	0.28	0.27	0.26	0.25	0.24	0.23	0.22	0.21	0.20	0.19	0.18	0.17	0.16	0.15	0.14	0.13	0.12	0.11	0.10	0.09	0.08	0.07	0.06	0.05	0.04	0.03	0.02	0.01	
3	0.98	0.99	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.79	0.78	0.77	0.76	0.75	0.74	0.73	0.72	0.71	0.70	0.69	0.68	0.67	0.66	0.65	0.64	0.63	0.62	0.61	0.60	0.59	0.58	0.57	0.56	0.55	0.54	0.53	0.52	0.51	0.50	0.49	0.48	0.47	0.46	0.45	0.44	0.43	0.42	0.41	0.40	0.39	0.38	0.37	0.36	0.35	0.34	0.33	0.32	0.31	0.30	0.29	0.28	0.27	0.26	0.25	0.24	0.23	0.22	0.21	0.20	0.19	0.18	0.17	0.16	0.15	0.14	0.13	0.12	0.11	0.10	0.09	0.08	0.07	0.06	0.05	0.04	0.03	0.02	0.01
4	0.97	0.98	0.99	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85																																																																																			

<400> 7893

<400> 7894

<210>	7895
<211>	411
<212>	DNA
<213>	Glycine max

<223> unsure at all n locations  
 <400> 7895

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 gatgatgcag gagatgtgcg aagacttcaa gatccagcat cataactcta ccccttatcg 180  
 gccaaagatg aatggggctg tagaggctgc gaataagaat atcaagaaga ttggtcaaaa 240  
 gatgacggtg tcatacaagg attggcatga gatgttgctt ttcgccctac acggatacag 300  
 aacctcggtg cgaacttcta ctgggggcaa caccgtattc ttggtttatg ggatggaggc 360  
 agtactccca tttgaggtag aagttccttc tcagaggata atggcggagt c 411

<210> 7896  
 <211> 273  
 <212> DNA  
 <213> Glycine max

<400> 7896  
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 cacgaaaatt tatgtgagaa gaagtctacc caaacctgaa atttgaagtc ccacaatgta 180  
 gaggtgcgct tcacgactcc aaaaatggct tcctttcgcg atttggagca gaaatggtga 240  
 gcaaagggtg gagctttgat ggagcttcaa tgg 273

<210> 7897  
 <211> 415  
 <212> DNA  
 <213> Glycine max

<400> 7897  
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 ttttaagcttc cgcttattag tgcacagctc cttcaagaat ttagcatatc ttggaatttg 180  
 ctttattgca tccagcagag gtatgtttac ctctactttt ctaaagtgtt ccaatatctc 240  
 cttctctgcc tcttccaatt ttttggttga aattgctctt ggaggggaatg gaagagggat 300

atgctgcttc tcttttagatt cacctgcata gaaattgtta gggaacttac tctttaaatc 360  
 tttgtcatca tctttttcta gagtaaagtg aggggtgggca gggtcatttg cggat 415

<210> 7898  
 <211> 411  
 <212> DNA  
 <213> Glycine max

<400> 7898

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 atatattaca ggactcaatc agacatccga gtaaaaagtc attgtcgctt gaattagctc 180  
 agagcaataa tattctatct cgagctcgtc gatataattat gggactcaat cggacatccg 240  
 agaaacaagt tattgtcctt tgtattagct cacagcttcc acattcaatt tccaggggtct 300  
 cgacatatta cgtgactcaa tcagacatcc gactaaaaag ttattgtcga ttgaatttgc 360  
 tcatagcttc cgcattcaat ttgcgcgctc tcgtatatta cgagactcaa t 411

<210> 7899  
 <211> 446  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7899

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 tggggccttag ctgangacaa tgcacttagc gctgctacaa aagatttttc cagagatgga 180  
 gtggcgctta gcgcatcatc tctgctaagc ccaactgcttg aagtttactt ccagtgaaga 240  
 tgttgggctt agcacagtga tgtgcgctta gctgaactat ntagccaact atccaggggt 300  
 ctaagcgctt agcatgagca agctcaggct tagcgggtga agacatggca cttagcgaat 360  
 ggacaactga aaaanaattc taagtctctt ctgtccatct cttcagctag ggcttaaaaa 420  
 ccccttttgt cactacntaa acagct 446

<210> 7900  
 <211> 383

<212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 7900  
  
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 catttgcttc caaagtttca tggccttgca ggtgaagacc cgcacaaaca tttgaaagaa 120  
 tttcacattg tctgctccac catgaaaccc ccagatgtcc aagaggatca catatttctg 180  
 aaggcttttc ctcatcatt agagggagtg gcaaaggact ggttgatta ccttgctcca 240  
 aggtccatca cgagctggga tgaccttaag agagtattct tagaaaaatt tttccctgct 300  
 tccaggacca cagccatcag gaaggatatc tcangtatta gataactcag tggagagagc 360  
 ctgtatgagt actgggagag att 383

<210> 7901  
 <211> 445  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 7901  
  
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 aatgcaccca tatacaatca aggcagctgt gttacctaca ttatttacac gtatttccaa 120  
 ggtgtatttg ttacttacat cacacacatc cccttggtta aattcacata catgcatact 180  
 ccaagcattt tggggtagcc aaaaattgca catgtgcaca tcttggtatt tctaatacct 240  
 atacatacac aaacttcatt atgaatcttg actatctaca caacaaggag ctacatttca 300  
 tgcccttttt caagtttttg ctacctaaag ccgcatgcaa attcaagcat attctccttt 360  
 gctgactaan attgtattca aattatatat atatcttttg gaatatgtgg ttttttcata 420  
 caacattcaa catatgtata tatat 445

<210> 7902  
 <211> 554  
 <212> DNA  
 <213> Glycine max  
  
 <223> unsure at all n locations  
 <400> 7902

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cagnacacgc ccnttganc ttttgatcca ctcgaccgga aactntaaan cgactgcggc 120  
tgcaacctat aaacgaaatg cagtgtagat tttctggctc tataggggag atttacttgg 180  
caccctttat catgctcaat atggtaggaa gtttatgtct tttaatccaa aaaaagaaac 240  
tcgggttacga tgtgagagta atttggataa atgaancatg gttttgcttg tatatgcatg 300  
aatatttcat gcttggtgag taatgtatat acaaagtacc tacacatgag agtgcctacc 360  
atttggataa agatgtttag attgtgtgat tgcattctct agcaccaaag ctattgcatt 420  
gaaaaattac tgcatacaca caaatacttt acaaagtga accaatatta cttgggctaaa 480  
aagtagtcta aagctactct gtcattgatg acctcatgta tgacaagcta atacaaatgg 540  
tgatgatgct gacg 554

<210> 7903  
<211> 307  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7903

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attgagagtg attctcctaa atcttgagtg attcaggaca ctctggctgt atcaaacgga 120  
cttcacaacc tttgtgtgtt gccctcactg gaaagagtga ttctttactt cctttcatct 180  
tcacctntgt tctttcaaac cacaattcca gaanatccac ctcttcccag aattatctcg 240  
tgggcataac tccattttta cgcactcaaa ttaagtgatt cttaagccta aattgaattt 300  
caaaacg 307

<210> 7904  
<211> 422  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7904

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taaggacctc attgaagctc acagatccag cctccgtaga agccccacaa gcaagtttcc 120

atcatgaact ntgaactata attctaaaat gatcaaagtt cacaaaatgc acacatatgg	180
cctctattta tagcgtaagt gtcacacaaa attggaggaa aatttgaatt tctattcaaa	240
tttcacatga attagaaatt gaatttgtgg agccaaaatt tcactaatta tgattaatga	300
attntatnta tggttcagcc cactaatcca agatcaagtc caagattctc caataagtgt	360
gcttaggtgt catgagacat gtaaatcatg aacgacatgc acacagtgtg actatatgat	420
gt	422

agtcgacgc cactattang ggattgactg tgtgaaaatg gatttaagta ttaaaattct 300  
 ccctgccacc aatgatgtac atggaggagt cattgtggac ttaaaggagc ctatggactc 360  
 taaagattnt gctactctgc ttagatcttc acttttacat ttggaagcac agggtaacat 420  
 tatgatct 428

<210> 7907  
 <211> 416  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7907

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 ttgctttttc aaatggaaaa gtttctttcg gcatgaaaat agtttgtaga tactacaaag 120  
 tatttttaaac cttgggggtga gttagactaa tatagataca ctatagtatn tgatgatata 180  
 ctgcaagtga aatggtcac catttatggt tctattaatg cactcacaat gtctttacat 240  
 gattagctga agaattttct atatgatttg ttcttctaga ctacgccttg tcaactgttat 300  
 atcctcaaag atatctttga tactctntca atccactttt taagacttga tgatcacttc 360  
 tttctcttta gaaggtaatg atgaggagga tcaccatgag cactggaatg gatcta 416

<210> 7908  
 <211> 492  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7908

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 caactaacac ttgaaaatga atacctatga atactagatg ctttgaagaa atgagtaacg 120  
 aacctacacg ctatcattca aattctttat gtagaaaact ctttgtatat tcttataaag 180  
 tttgaaaagc tctcagaaca tcttgaatac tctaagacaa aaaactaaat gcttagattt 240  
 cacatttggt tgtaagatga ttaagattta atcagttagc aaatcaaaca acatatcttc 300  
 tgatttgat agaaccaaca gtggcttggt aggacaaaga atattccgct gttaaagctt 360  
 gacgataaac tctgttgatga gagctaaaag taaccgtgac acatacttgt aacttttgtg 420



agattagtga aacttgattg taaccaaaaa ctgaacttag tctgaatggt agagacaaac 480  
caatataaat at 492

<210>	7909
<211>	348
<212>	DNA
<213>	Glycine max

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attatgttgc aaagacat	agaaggcctt actcaa	tctatcaaag gctacatt	120
atagacaaca tcagaatg	gcagtactag agtcaac	agaatgatgt aattgagg	180
tctgagaatg tgatctca	atgatattct aaagata	tagaatcaag atgataaa	240
tcaaatttac tgtatttc	tatgcaattt gagacatt	tttgatactt taatatac	300
taggctttat tttgaacca	attcgttatg ttttcagt	ttaatata	348

gcttcaatgg	agganaagan	agagggagag	aaagagagag	gcgggagctc	ganattgaag	60
gaagaaaaag	ggagagaagt	tgaactttga	agtatgtctc	acaagactct	cattcatcaa	120
agttacaaca	agtgttacac	atgcttctat	ttatagacta	ggtagcttcc	ttgagaagct	180
ttcttgagaa	gcttctttga	gaaaaattct	ttgagaagct	agagcttagc	tacacacacc	240
cctctaataa	ctaagctcac	ctccttgaga	agattccttg	agaagattct	taaagaagct	300
agagcttagc	aacacatacc	ccctataata	gctaagctca	cccctatgcc	aaaatacatg	360
anaatataaa	anaaaaaaaa	attcatacta	caaagactac	tcaaaatgcc	ctgaaataca	420
agtctaaaac	cctatactac	tagaatggcc	aaaatac			457

<223> unsure at all n locations  
 <400> 7911

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 gcacgttagc ttgtctantg gctatacatg atacacgtca cggttaggga aggttcagtg 120  
 ataaaacgga tgccccacat tatttccatg acacagatgc aaaaatgatg atctggaaac 180  
 tttatgcaca actgagcatg catgcaccta tgtggacact caagagtaaa cttttatggt 240  
 catgtgatta tcggtcgagg atacatgtcc tctatgtag tcaaccaac gactccaaaa 300  
 tatgctattt tatcaatgtg tgcattcatg cgagtacatg atgggcgagc gggaaaatat 360  
 tcacagcgtt cacccttcag gtgtatacac attattgttt caagaatcgg ttatgatcag 420  
 tgaatttgtt gatagaaaag atgaaggtga tttttataa aagcatgtag gatctcaagt 480  
 taacaagtca tgtgagttta aactacgtgg ctctn 515

<210> 7912  
 <211> 449  
 <212> DNA  
 <213> Glycine max

<400> 7912  
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 cacacgcttg gtactattcg atcgatgata tcaagttgca ttctctctct ttgtgctcga 120  
 attcatgctg gtcgtaaaat taaggggagt acttatgtga gatcttgagt gaatgcctat 180  
 atgtctcccc ctgaggcatc aacatatagc cgaagtgcgt aacatgtata agacaatcat 240  
 gtgctattag tcattcacag ggcgatcatg ggagaatatg aacccatcat gaagcaggag 300  
 acatgaatag atcaaata tataacaacc acatatatga catacacatg aatagagaaa 360  
 gagtctatca agatatctta accattcatg aatcgtagag agatagtact tcatagaatg 420  
 acatgtaatc cagaaagtca ttctaatg 449

<210> 7913  
 <211> 342  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7913

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 agggcttttcg tcttacagat agcaaaaaaa agaatgtnta tatggataac cactcgggggt 120  
 atttcgccccg tcagcgtgac tcanaagtca gtatgacaga tcttgtgagg gcgcagaaga 180  
 cgacgttagt ctctgcgtgc tatcaagctt ttcgtcttac agatagcaaa aaaagaatgt 240  
 ttatatggat aaccactcag gtatttccgc ccgtcagtgt gactcanatg tcagtatgac 300  
 agatcttgtg agcgcggaag atgacataaa tctncgctg tc 342

<210> 7914  
 <211> 410  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7914

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 cgcacttctc tctctctcga aatagctgag gaaaattagt tccgtgaaga atatccaagc 120  
 cgagacgctt ccgtaacggt tccgtaacgt ttccgtgagt aattacgcga agattctcga 180  
 ccattcttca agattcatcg ttcgttcttc gttttgttca gtcttcaacg ggtaagtacc 240  
 tcaaaccaag cttttcaatt cattctatgt acccggtggtg gtccacattn tgtttcatgt 300  
 attcttgttc ttgttttcat ttacttttta taccctttt tgacgtgctt aagccatnta 360  
 tttaagtcatt ttctgccta atctaacaat aaaataaatc tccaccgatc 410

<210> 7915  
 <211> 311  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7915

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 cgccgtcgtc ataagagacg gcaaccttta atcaaagtgt caaatatgac ttcaatttat 120  
 attcttttcc ctttttacgt tcttatgttt ttttatgcct ttttatgttt ttatcttttt 180  
 gtggacgaca agggcggttc ctttgctcc tacgtattcc tcgattttga tgagaaaatc 240  
 agacctacgt agttctttnt gtgaacaaaag cgtttggtta aattattttt tacccttttt 300

tgcaagatat g

311

<210> 7916  
<211> 477  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7916

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attgagtcgc aaggtaattt gtctctatgt gagtggactc tatgcaaggt tcaactctgag 120  
tacatatatc tgatgggagg ttagcacact aacttangaa gttaacatgc taatctagaa 180  
ttaatattag gataagattt accaacttta tcaaaaatag tttttatcat ttttgcttaa 240  
gtctacttta atcatttctg gttaaatatt caaaaggaaa aaatacccgat atatggcaga 300  
atgtggcagc tccatcatgt aacatcccat ttttcgtaaa ataatttaaa aatgattgtt 360  
atgtgtaaac aaacagagtt ttagaanaat gatgaagttt ttataattaa ataaataagg 420  
agaaataact ctattaatta aaataatagt tctggagaac ataaaaaggg tattttta 477

<210> 7917  
<211> 325  
<212> DNA  
<213> Glycine max

<400> 7917

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acacctataa atactagatg ctttgaagaa atgagtaacg aacctacagc ctgtcatgca 120  
aattctttat gtagaaaact ctatgtatat tcttataaag tttgaacagc tctcaaaaca 180  
tcttgaatac tctagagaca aaaaactaaa tgcttacatt tcacatttgt ttgtaagatg 240  
atcaagattt aatcacctat cacatcaaac aacatatctt ctgatttgta tagaaccaac 300  
tgtggcttgt gaagacaaag aatat 325

<210> 7918  
<211> 341  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7918

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tagactaact taaactaagg ttcaccccta gatccctnct ggtggactag acttagctta 120  
natagattat gagagttcgg cctaattagc ctaagctatg ttctcagatc cctctcgttg 180  
gactagactt agaccagaca gcattatagt aatagcatac ttaaaaccan aacttaatcc 240  
acagattcct cttgtaagac taagtttcaa ttctgctgca ttcaagatat acggcaacaa 300  
tacatttccc aatgttaa at cacctaacta tgcaagcaaa t 341

<210> 7919  
<211> 433  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7919

tccatcaagt ggtaatcaga gcacaagagc ttcaagtagg tgctccttan acctncatta 60  
attntttttc tttaccttct cttccattgn tgnttcttca tttttctcca tgtatctcct 120  
cacatgtctt gttctaaatg ttgttaacat gattgttttag agtttccacc gattaaactt 180  
gctatagaag ctagatttga ttntctatga ttcaaatttc ttgttcttgt tcttgaacca 240  
tgaattgtgt tgagtttacg ttcctttgag ttctttcttg ttattttttg tggctgaaac 300  
ctaaaccata aaattcttac aaaaatatta aagtagaaga aaacctcaaa aatctagagt 360  
gacttgttca cctattgtag ttntgtcata gaagtcatgt ctagtcatga aacttgtcac 420  
ataagatttc tta 433

<210> 7920  
<211> 335  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7920

agcttattac ataaattatg ttaacatggg attggaatgt gattcccaaa ttcttgagac 60  
tttcagtatg aatatgttgt ggtaatgtat ataattcttg taagcttcat acatgggttaa 120  
tcttcttcaa tcaacccttt ttctactta cactctntta gctntacaca aatcaaattc 180

ttaattaaac aactacatca cacttgacg cctaatagaca aaaaagaata gcaatgagaa 240  
aagggctaata cacatgttta atgataaaat gtgatcaaac ccaaggatgc ctggaataat 300  
cctttggtga caccceaaat cagcaaacaa tgatg 335

<210> 7921  
<211> 465  
<212> DNA  
<213> Glycine max

<400> 7921

tgcaagtga atcgaattac ttgacttatg tacgcaacac atagaatagt ttacactaga 60  
atcagaaggt gtggtcaaaa gagtattcta tatgaaatat atctcgatac acgtcctcga 120  
actatagagt atcaacattg ctaagaacaa gaaatcacga acaaccatac tatctatgca 180  
attaaggcaa aacaccatac tactaacata cccagaatta taagggttctt ataataagta 240  
tacaacgtac atataagaag tcagaattta atagttaata gggatgtatt aaagaatcac 300  
aaacttcaac tactacattc acgacacata atatatgtgag ttaactagtc atgcgtttac 360  
acatcaagaa agacatactc atccaagaca tatatatggt ttataaaggt ttcacaacat 420  
taatccacac atgaagatag aaataagtta ttaacaacat acatg 465

<210> 7922  
<211> 357  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7922

ngagatgagg aagtgttgaa gggtgaaact ttctgctttt attgttgacc acagagtgg 60  
acctggagat atgtcgcggn ggtcaggaga ccttggggac gtcattgtggg gtgctattgc 120  
ccaaaaccaa gcttgaccaa tcccgaacca acccgggcat agtcgggtcag tgagaacctg 180  
tgatgtacct aagcaggcga gctcctggca gtcaacagat aaaaggaaca aagaccacaa 240  
agcaaggagg cttgtggtgg ctggccagct ctggattntg tgtgatatgt ggagtatggc 300  
ctctggtaat cgattaccaa ggggtgggtaa tcgattacaa ggcttaaaaa tgaagac 357

<210> 7923

<211> 359  
 <212> DNA  
 <213> Glycine max

<400> 7923

actctaagga ttcgcctagt taacattcct ggctaacttc aatacctaata ttccttaacc 60  
 ttcaatggcc aaaccgccta aatagggttc ctttaaccaa taagttttta acctaattctt 120  
 tcatactttt ttaagtgggtt acctttggat agttccaaca ttattttttt taccttttgg 180  
 tttcaaacct ccacaagaaa aaccgcactt aagaaccaca tgagtaataa ttatctaattg 240  
 taatggcgag gtactatcat agggaccttt attagaattt agataagtga gtccctcagt 300  
 tatggaagaa aacagagaga tagaaaagga aaaaagagtg aagaatagtc agatgaaga 359

<210> 7924  
 <211> 538  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7924

cggcgtgaca tttgacnccc tgcatttggg gacctttatt tgactccctc tcatatacgc 60  
 gcagcactct attatcaaca ttcacaagtg gagatctttg cacacgagct tcaggtaagc 120  
 gtctcttatt caatcgagag tgattgccct accttctcta cagatgcaag acctcacttg 180  
 ttgcttcatg agacttcac atgctttgtg cgtaatgctg gctacatgaa tcgatacaag 240  
 ttccacttat ttaactagcc tagaagctac cttcgaattt ctatgagtaa acatctcctg 300  
 ccatagtcac gaaccatgaa ttgtgtcgag ttacgactct tagagagtgg tcttggaacc 360  
 tatagtggct gacacctcaa caccttaaatt cttacctagg aattacatga ttaggagcac 420  
 ctgagcatct agagtgcac gtctactcta ttggacttcg ccatataacc tatcgtaaac 480  
 catgacactc gtccaattag agctcctatg cagcgccgga tgatatctga cttgaccg 538

<210> 7925  
 <211> 488  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7925

tgtctaccac acttccaatg atgaacacca ccttttagcac anactanaac accaaccaag 60  
 aaatggaatt tgcagcgaan aaacctgtag aattcaccct aaattccggt gtcatatgct 120  
 aacttgctcc cttatatact tgataatgca atgatagcca taaccacctac caggggttcct 180  
 taacctccat ttttctgagg atacgactcg aacgcaacat gtgcatatca tggaagagtt 240  
 ccaggacatt ccattgagca ctgtatgacc tcgaagcgta aggtgcaaag tgtaattgat 300  
 gtgggctggt tgaaatttga gtagaatcgc ttgtgaatcc taaacattga caagcgacac 360  
 cacacatggg gtaattttga aagctgttgt tagatgtctc taatgactca tcangatttt 420  
 canatntatt gccattattg taaccacagt tacaatgcta aataaaaaat gtaaatttga 480  
 catctttg 488

<210> 7926  
 <211> 333  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7926

tccttggccg ctgcagctta acattcaatt tcaggggttc gattattacg ggattcaatc 60  
 atacatccga gtaaaaagtt attggcggtt gaatttgctc agagcttcng catgcacagt 120  
 cgagcctctc gatatactac gggactcaat cagaccaccg agtaaaaagt tattgtcggt 180  
 tgaatatgct cagagcttcg gcatgcaagt tcaagcggtt cgatatatta cgggactcaa 240  
 tcagacatcc gagtaaaaag ttattgtcgt ctgaagttgc tcagagcttc gataatctat 300  
 ttcgagcggt tcgatatatt acgggactca atc 333

<210> 7927  
 <211> 450  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7927

actcggatgt ctgattgaga cccgtaatat atccagacgc tcgaaattga ataccgaagc 60  
 tcttaaaaaa ttcaacaac aataactttn tactcggaag tcagattgag tcccgtata 120  
 tattatcgag ttgctcaaaa tggaataccg aagttctgtg caaattcaaa ccacaataac 180



tctttactcg gatgtctgat tcacgcccgt aatatatcga gacgctcgaa aatgaatacc 240  
gaagctctga gaaaaattct aacgacaaca actttttgct cggctatccg attgagtcct 300  
ggaaaatata ggaatgctcg aaattgaatg ctgaacctct gagcaaattc aaacgacaat 360  
aacattctta ctcggtgtc tgatggagcc ctgaatatat cgagacgctc gatattatat 420  
accgatgctc tgagaaaatt cacacaacaa 450

<210> 7928  
<211> 140  
<212> DNA  
<213> Glycine max

<400> 7928

tatataaata acaatttcaa ttgattaatt ggcataccag cttttttaaa tataattcat 60  
gaatgtaatg aaatctttta tacaattttt tattattata gaaaacgtgt attgtatatg 120  
gtattagcga caatgacata 140

<210> 7929  
<211> 379  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7929

tatcttagcg agagtgattc tcctaaattc tcgagagagt caagaacacc ttggctgtat 60  
caaaggactt tcacaacctt tgtgcgttgc cctcgctgga aagagtgatt ctttccttcc 120  
tttcatcatc acccttgatc tttaaacca caattccaga aaatccacct ctgccagaa 180  
ttatgtcgcg ggcataactt ccattttacg cactcaaatt aagtgattct tgagcctaaa 240  
gtgaatttca aaacgagacc ttacacctcg ctttggaatc acctcatttg gagccctgta 300  
gcttcagtta ttgacatttc tatattttctg tccagccacc acttaaccta cgttntacca 360  
tcccattcat cccatttat 379

<210> 7930  
<211> 359  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations

<400> 7930

atattacaac aaactgcaat ttccatcctt ttcaaacttg tattttctta aatatttttg 60  
ctacttgagt tggaatatta tgatttatga accattgtat tatgttatga ttttaatat 120  
ttatagaatg tgttggttatt tttctatatg ataatatgct gtagtaacca tgctgnggtt 180  
ctagaatatt tgttggtatt ccatacctgt actagtactg gaactcatac atgtatccat 240  
gaaacacaga tgacaaaata ttntcagtat tgctctgttg tttgtctggt attgccaacc 300  
tcacctaata ggataggatt tttgtgcccg tgtatgctat ttgtctgtta tatgatctg 359

<210> 7931

<211> 470

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7931

ctttccatt aaaatatcaa ttgcaacata gtgacactnt gtatgtccat gctcgctgt 60  
ctttgacgta gagacctcta caacctgtca agataaatcg acaaacaac aaggcaaaaa 120  
aatatgttta cttaactgat tgtctcagat cataataaca gacaaatagc atacaacggc 180  
aacaataatc ctatccatt atgtgaggtt ggcaataaca gacaaacaac agagcaatac 240  
tgaaaatatt ttgtcatctg tgtttcatgg atacatgtat gagttccagt actagtacag 300  
gtatgggaat acaacaaata ttctagaacc caggcatggt tactacagca tattatcata 360  
tagaanaata acaacacaat ctataaaata ttaaaatcat aacataaata caatgttcat 420  
aatcataat attccaactc aagtagcaaa aatatttaag aaaatacaag 470

<210> 7932

<211> 292

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7932

attggttgca agtaccttac atacgattat tttgactttt atatacacat ctatacggct 60  
gttatagtta tattttgggg ctttacctct cagccacaaa tttatgatgt aatcagcaaa 120  
gttctctact gatggcctg agttctctct ctcttgatat tgcttgagaa ttctgcaagg 180

aatgaaatca tatggctgtc taatttagtt ttagtctgta gtacatattc caaatgttgc 240  
 tgaagaaca taaagtataa ccatccataa nnatagttac tgcagtatat gc 292

<210> 7933  
 <211> 446  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7933

tctcacaatg aaacagttaa tggaagttac catacgctgc atgattgtca gaanaaatta 60  
 aagtcacgg ataataattc attaaaaaaa aaaagtgcaa atctactaca gatccaaact 120  
 cgagcactgc ataagatcag gaacattaaa atatttaact tgctttaag aattataagc 180  
 atagctttcc aatttgagag ccgattagat ttctactaca tttagtgcag tgaatttcat 240  
 aactgttgaa gatccatgca aagcattttc tcagggttctg tgaccttgca taaccattaa 300  
 cataacattt atcttgtaag gcttttgaca gaacattntt ccttggaat acttactgg 360  
 aaacatacct nctaacaaag aattctncag ttgaaagccg aagatatgaa gtacatttcg 420  
 ttaccacaat acccatataa tccaat 446

<210> 7934  
 <211> 133  
 <212> DNA  
 <213> Glycine max

<400> 7934

ttgataaata tcatatataa atagtggccg aatattatat cgtaagcaag aaactaactg 60  
 ctcaatgata acatgatcac ctacatatga tggtataatg gcttatcata acagcatgcc 120  
 acatgctttt tta 133

<210> 7935  
 <211> 378  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7935

tagccttggt cctncctacc ttacatgttt catcaaactt gggtctgaac actcactttg 60

ctccaacaac agattatcct ttggggagtt ctacaagctc ccatacatca ttattctgaa 120  
 actggtctag ctcttcttgc attggtttga cccaatatta atcagacatg gnatcatcta 180  
 tgtgtttttg ctcaatctca tataagaatg atgtgttctt aagagagttc cttctctgta 240  
 cttatgccat aggatcacat atgatctacg ctctagatgt tgtttcctca acaggcatac 300  
 agttggttct ctggcctctt caggttggtt gtccactggt gagttagacg caagttggtt 360  
 ctgactcgac acaacagt 378

<210> 7936  
 <211> 328  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7936

agcttggttaa aaaaatgaaa gaaacgaaac cgaatttgaa cgaaataaag atgaaggcca 60  
 aaaaaccaag aaatgaatta aaagtctcgg atttggaac ttacctgctg aagaacgaag 120  
 aacggatgaa gaacagtgaa gaacggaaga aaccttcacg ggattgctta cgaaaacatc 180  
 tcggaagcgt tacggaagca cctcggttg gattttcttc acgggaaaca attttttcac 240  
 ccaaaacagt tgaaatgcat agccagnng atcatggacc cttagaacag gcccnntttt 300  
 ttctttttat agagaaaaag tgggagga 328

<210> 7937  
 <211> 466  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7937

ttgatggcac tattgcaaca acaaaacata actcacaaca atttacctgt tagtcaaatt 60  
 ggtacaacta gcaacaaagg tagtactcta tccattactt gtagtgtaag caagatcagt 120  
 caagaagagt ggatccttga ctccaggtgcc acagaccatg ttacagtctt tcttcataaa 180  
 gttggtaatc aattatagga ggaggcagcc tactggtaat cgattacatg aatattgtaa 240  
 tcgattacat gccatctggt ctagtgtaat cgattacaat attcatgtaa tctagtgtaa 300  
 tcgattacaa tattcatgta atcgattacc agaacaaana atagcctttt cctacaagaa 360

aacttatttc taagtctaaa aacttatact atcttaagag ttaattatac taacaagaaa 420  
agtaaaactaa attaaacaaa acaagcgtca tacttaatca gaacac 466

<210> 7938  
<211> 319  
<212> DNA  
<213> Glycine max

<400> 7938

agcttgcatg atttacatct ccccttttct caagcaaatt cttcttgata tcatcaaaat 60  
cttcatgatc ccgactcgtt ggtggaggat gcatgaatga caatcaattc atggggctcc 120  
gaataaaaagt ggagattgga ggataggcga atagcgctag gcaatcaatt cgcggtgttt 180  
ccgactcgtt ggtggaggat gaatgaatga caatcaactc atggggcttc gaataaaaagt 240  
ggagaatgga ggataggaga atagcgctag gcaatcaatt cgcggtgctg cagactcgat 300  
ggtggaggat gcatgaatg 319

<210> 7939  
<211> 412  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7939

tctccttatt tgctataaat aggggggagaa gtgaagaaga aaagagttca gcctctttgc 60  
cacttctctc tctctcgaaa ttgctgagga aaattatttc cgtgaagaaa atccaagccg 120  
agacgcttcc gtaacgtttc cgtgagtaat tacgcgaaga ttctcgaccg ttcttcaaga 180  
ttcattgttc gttcttcggt ttcttcagtc ttcaacgggt aagtacctca naccaagctt 240  
ttcaactcat tctatgtacc cgtggtggtc cacattntgt ttcatgtatt tttattctct 300  
tggccatttg cttntatac cccttntga catgcttaag ccatttattt aagtcatttc 360  
tcgcttaatc taaaaataaa ataaatttcc actgatcggt taaattatat ca 412

<210> 7940  
<211> 340  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations

<400> 7940

tcagaattca atttcgatcg tctcgatata ttacaggtct caatcagaca tctgaggaan 60  
aaagttattg tcgtttgaat ttgctgagag cttcaacatt caattttgag cgtctcgatg 120  
tattacggga cttaatcaga catccgagtt aaaagttatt gttgtttgaa tttgctgaga 180  
gcttcaacat tcaatttcga gcgtctcgat attttacggg actcaatcag acatccgagt 240  
taaaagttat tggtgtttga atttgctgag agcttcaaca ttcaatttcg agcgtctcga 300  
tgttttacgg gactcaatca gacatccgag taaaaagtta 340

<210> 7941

<211> 567

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7941

tctcttccgc acttntctat actcttcact cngtcataat antatgtact ttttctcnca 60  
gcgagccttg cgacntcgat tgaccccttg atggacnct tgcattaccg gcacctagac 120  
actcaacctg aattggaact atacaaatcg ctggttactg taacgattca attgaatgac 180  
tatgaagtca gtgcgcactc aactagaag tgaggaaaag taatgctgat accaaaaatga 240  
actaanaaaa acaacagcgt caatggcatc aaacaaagca tagtgccaac cacataacct 300  
atagaacatt aagaagcatg agtggttaa tcatgataat accgtacaaa tgaagagact 360  
tcctatttac taatctctag agagccatga gttttctata cagaatccca cactctcacg 420  
ttctggttat aatgacaata aaaataacta acaataatat ggctttgcca ctttaacatt 480  
gcaatcagtc cacatacgaa ccaatgattt attatcattt cgtatttatg ccatcaacac 540  
ggatgatattt actgaaacat tctagcg 567

<210> 7942

<211> 338

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7942

cagagttgng agcagcanag ggatctatta aatataaact aaagataaat aatcaaatag 60

tattgataaa agaaatgtgc ataaatcaag taaaaatcct taaaaacaaa gtaagaacaa 120  
 atagtgattt tagaagaaaa gagaaaaaga agcaaaacaa aggataagca actaaagtta 180  
 gaagctaaac gtaagaacaa aacccaaaacc ctcgaaattt aaggtgtgtg tgagagaact 240  
 gaaccgaagg aattgtgacc tatgaagaac aaatcatagt gaaaatgcat agaagagtgt 300  
 catttttttt aactaagaaa tatatacttt acggcatg 338

<210> 7943  
 <211> 434  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7943

ctcatccaaa catggcaagt tcaacatgct ntaacanatt tcttcacaaa taaccatcat 60  
 gaagcagaaa cctagcaaga ctacccatca tatctcccaa aaccaatac ccacgaaaat 120  
 caagtgagaa agaagtccac ccaaacctga aatttcgagg tctcacacgt agagatgcgc 180  
 ttcacgactc tgaaaatgcc ctcttttcac gatttggagc agaaatgatg accaaagggtt 240  
 ggagctctgt tggagcttca atggagaatg aagaagaaag aaaaagcaac gtgagggaga 300  
 gggagagaga gcttctgaaa tgtgggctga gtgaggagag agagagagag ttgcttttta 360  
 gtttaaaaag gttntttcct cttttcttat tattttaatt taagctatgc cacatatctn 420  
 catttgagtg gagc 434

<210> 7944  
 <211> 357  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7944

agcttctaataat aatgctcatc tgggtgtctn ttctttntcc tggatgctnt actgtttgga 60  
 cagtgaacat attataaacc agtagctgag acttcttagg ccctttgttg tgtagatata 120  
 aatctgaaac tagatgatca attataacca agaagttatt tgtggtgagc tatacagtag 180  
 tttcacgctt acttgctaac atggatcca catagtgtac tgttgttcta tgtaaacttt 240  
 ctcgtaggtg gatgtcgggt taagctagag ccgatgctat acattatcac tgcagttctg 300

ttacttcaaa taatagacat atctgngtct atatctattg aaatatggac tgcataat 357

<210> 7945  
 <211> 451  
 <212> DNA  
 <213> Glycine max  
 <223> unsure at all n locations  
 <400> 7945

cgaggctgac gtattccctc anattcgacg tcgatgagct cgcctcagtc tatgacttcc 60  
 gcatcgacaa gtctcaagtt cgttcaccgt atgcttctat ttctcttcgt ttctcgagaaa 120  
 ttcgaaactt gtgtgttgag gtcttgattt gcttctgatg agtttcagcg gcacgccata 180  
 ctggcttttt taagaggctt ctggcggtg gtttccgctc cgacgagcag caagaagacg 240  
 ctgattggcg aggctgcggc cgaatgtgag tacttattga cgactgcttt tcatgcagtg 300  
 atggtaatgt ttcttctaga agcggacttg tgaatgctga tgtgattgtt ctggac g 360  
 ttgattacct tagtgacata tctcgtggac agtctaagag gagattgtac gcatt t 420  
 ttgactctac atgttaagta gcttgct 451

<  
 <211>  
 <212>  
 <213> Glycine max  
 unsure at all n locations  
 <400>

agcttgag agagggt agaaaggcga daaa. ag cccatccg gaccacagag 60  
 tggatatctgg agatatgtcg cgggggtcag gagaacttgg gacatcaag tgggatacga 120  
 ttgccccaaaa ccaagcttga ccacatccga ccgaacc a 180  
 cctgtgatgt acctaaacag gcgagctcct tgcagtcaac agataaaagg aacaaagacc 240  
 acaaagcaag gaggcttgtg gtggctggcc agttgtgaaa cttgatngat atgtgagata 300  
 tgggctctgg t 311

<210> 7947  
 <211> 125  
 <212> DNA  
 <213> Glycine max



<400> 7947

acatgtcttg tgctgcctgt tgatctgatt aattcttcca catctcagcg attaaccttg 60  
ccatagagcg ctacacttga tcttctatgg ctctaataac ctggttttgc tcttgaacca 120  
tgaat 125

<210> 7948

<211> 333

<212> DNA

<213> Glycine max

<400> 7948

agcttggttcg cacatcggtc gcgtgtatga catccactcc acaagggttg aagttgagga 60  
gacctttaat cctattacac aacgtggccg acaaaagtgg gcagttaact tgaatggtca 120  
ttattgtcaa tgcagaaggt attctgcgct tcaactattca tgttcacata ttattgcagc 180  
ttgtgggttac gtgagcctga actactacca atatatagat gtttggtata caaatgagca 240  
catcgtaaaa gcttactccg cacaatggtg gcctcttggg aatgaagcga ctattcctcc 300  
ttctaattgac gcatggacac ttatccctga ccc 333

<210> 7949

<211> 541

<212> DNA

<213> Glycine max

<400> 7949

gtcgcgcccg agccgttcct ttgggcactt atatacgcatt cttgtaggtc accccagata 60  
ctccgcatgt gctcgagctg atacaatatg tacgttcttg gtacagctaa tcattgacct 120  
attcggttgt tcagtcacac tacatttcta cgagaatacg actcgaggcc tacgtgtgcg 180  
ttgtccaaat gaaaactctg tgcgtgtcca tcgaagcatt ggcattggctg ccgacagcgt 240  
actggacgcg aggatctata ttggtagctg tgctgaaact atgatgataa tagtgctgaa 300  
acgctgtact tgactcgaca tgccacgcatt ggccgaaatt tccaagctgg tgatagacgt 360  
aactaatgac tcacacgttc tgtgaatctt gaccggaatg tgggcgtacg ctattgttgt 420  
gtttgctcta gcaacgtgcg actctgagtc gctactcgca agaccggcac atatgagaat 480  
actcatgttg caaggcgcgg gcggcgccgt agaacatcga cgccgagttc atactaatac 540

<210> 7950  
 <211> 391  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7950

gcttatgata ctngttaatg ttntcttact aattgtgggt atttgatttt tttgtattaa 60  
 tttcttttat aataaactca cccctcacaa tttttgtacc gtgtgggttg tacctgtgat 120  
 gatcgcgatc ttttgtggga gcagaatgac aacagtagtg gacgagaagt aagattcttt 180  
 tgtggagtcg tcgagccgac atgatgacat tgggattant ttgggagaaa gttgtgtttt 240  
 gtaatcaact cctncatagc tgggtctgtg attctttttg gtgattngaa gatgtaaatc 300  
 acaaaattag gtatatgtat gaacanatta ttntccatta tngtgaatat gtgtactang 360  
 gtactatacc tatatatata tatatatgga t 391

<210> 7951  
 <211> 481  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7951

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 cattgatttc aatgttggaa agtctgatcg caacaggata aaagtcactg gaaagcagaa 120  
 gaaagtacgt atttttctca agtttgaatt ttcacgtctt tcttctctct gtttctagat 180  
 atgtatgaag aattagtaaa gctgattcct atcgtttttt ggtgcacaac tgacaaatac 240  
 tttcatatta gtgatattac ttttaagact agaagtctag aatgaatggc tntgtcgttg 300  
 ttaatgatat cctttcatta tttctccaag tgaattgagt tgcaaatttt agcaattaat 360  
 aattaaactt gtaagcatta ggcacttacc cagctcacgg ttgtgatatt ggtgcataca 420  
 tcggcagcca tttccttggg ttagagtctc ctattttgnt ctctggagct gtggttacgt 480  
 c 481

<210> 7952

<211> 503  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7952

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agaacaccac tccggttctg gaacttgagt tcgngccctt agatcatttg acctgcagct 60
cggcagatca gatcgcgag gctctcatga acatgcaggt tggttggaac aagatagatg 120
gatgccccac attattattc atgacacaca tgcttaaattg atgagttgga aactatatgc 180
ataactggtc atgcgtgcac ctaagtcgac actcaagtgt cacaatttta tggtcatgtg 240
atgctatggc tcaagattca attcctctat attagacgac ccagcgataa cacaatatgt 300
tctgttatca attttgcatt catccgagtc catgttgtgc gtctgagaaa atcttcacag 360
cattcacctc tcaggtgtat acacagtttt gtcaaaacta attattatca gtgaaatttt 420
ttcaaagaaa gatgaagtca tctctttcaa agcatgttgc tattaacttg acaacttaat 480
tacttattct tcttttttta tta 503
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<210> 7953  
 <211> 443  
 <212> DNA  
 <213> Glycine max

<223> unsure at all n locations  
 <400> 7953

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tctcaaagag taggttgac ttatgcacca ttccataaca atttgttagg tgtagctcgc 120
tgattttctt ctaatgaata aatgcagcaa actctttgcg gaagttctac aaaatgtgaa 180
aatagataaa acaaaaagac atttagatgg ttgttgtcaa agtaagtaca atatattcaa 240
ttgcatgatt tgcaacatca gaatgaacaa ataaataaca ttattaaagt taaggatgtg 300
ggcttacaat tttgtacag gtagctgtat ccttagtcaa agcttctcta aattntgtca 360
tctaaggagc aaataattnt atgaactaag ctaatgtcaa attgtactga accaccttat 420
tacaataagt aacgtatact tac 443
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<210> 7954  
 <211> 225  
 <212> DNA

<213> Glycine max

<400> 7954

cgggaagca atactggctt ttctaagagg cttctccgtg gtggcttccg ctccgacgag 60  
caccacgaac accctcattg tggacgctgc tgcaaaatgt gattacttat tgaccaccgc 120  
ttttcatgca ctgttggttaa tgtctctctt agaagtggac ttgtcaatgt tgatgtgatt 180  
gttctgacca ccttgattac cttagcgaca tatcctcggg tacac 225

<210> 7955

<211> 275

<212> DNA

<213> Glycine max

<400> 7955

taagcaagcg agcttctggc agtctacaga ttaacaatc aaaaccacaa agcatggagg 60  
cttgtgtggt ggctggccaa ctgtgaactt tgattgatat gtgggttatg gcctttggtc 120  
ctcgattacc aagagtgggt acatgattac aaggcttaaa aatgaacaca ggaggctcag 180  
ctggctctctg gtaatcgatt accaaagggg gtaatcgatt accatgcttg ataacgaggt 240  
caagaagcta tgagagcttc tggtaatcga gtacc 275

<210> 7956

<211> 470

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7956

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ggtacaaggt ttatagtgtg acagcaggaa catctcacac ttgtagcacc acgtgtgtac 120  
attagcaatg tcgtacagcc tccacaataa agttgtgaca tgtccattcc tgcacgggca 180  
acatgaaatt aaaggggttc ccagatgtaa ccatttagtt aaagtccaat acatgttaat 240  
gaatacttaa tcaagctgaa tgcatagttt cttatcagat tatctctgtc tccagctctc 300  
tccacacaca cacacacaga gtatctttta aaataatatg ccaatgtag ctacacacac 360  
aatttcttga ttctttttat ctttaataaaa gcatatagct aacatttcta ttgatctttc 420  
atcatcattg atcttcaatc tcttgaagaa tctattanac aagcataatc 470

<210> 7957  
 <211> 206  
 <212> DNA  
 <213> Glycine max

<400> 7957

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 catagcagca ggagaaggac caccagcagc cagccacaga tacgccggcg ccacctctat 120  
 ggtagccacc atctctggag tccatttctg ctcaactgag aaagatggag cttcaaattg 180  
 atgcatatat gcagcatgtg accgat 206

<210> 7958  
 <211> 419  
 <212> DNA  
 <213> Glycine max

<400> 7958

tctacttatg tggcagggcg ggcttccttc accttcttgt ctctaacgag aactttgacc 60  
 attgttcttc ctcccgcaa tgcttctctt catgtctgcc tgagtgggct tatagcctaa 120  
 accatacttc ccacgatttc cttgagtatt tatcaggcta gttatgccgc cgttggtttt 180  
 tcctaaaccc atcccggtt caaaacggtt cccaacata actcgggcca tcattaccgc 240  
 tgcacgggac agacaagggt gcccaagag ggagtccacg gaggaatgc tgaccacctc 300  
 acaagactgg aaagcagttt ctaacgatc ttctgcggct tccacataag gcatggagga 360  
 tgggcagctt accaagaata tcttctgcc tgacacgatg accaagtgcc cctccacta 419

<210> 7959  
 <211> 363  
 <212> DNA  
 <213> Glycine max

<400> 7959

tcactgtttt gactaataag ttaattataa tgggaagaaa catgtgcaag ggattcta 60  
 tggtgtccta attgaacatg tgtagtaca aaaacgtatc gttacgtaaa tcgtgaggtt 120  
 ctgaaacgta tcgtgcctta cagaagaaaa caagtatcgt tcataattca gaggttttta 180  
 acttacggaa gagaaactac aaaaacgggc aactgggtgt ttataaaaat ggtggtacaa 240



[illegible]

```

ttgctttacc ttctcttcca ttggtgattc ttcatttttt ctccatggat ctctcacat    60
gtcttgtgat aaatgttttt aacatgattc tttaaagttt ccaccgaatt aacttgctat   120
agaagctaga cttgattttc tatgggtcaa aattcttggt cttgttcttg aaccatgaat   180
tgtgttgagt ttacggtcct ttg                                           203

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<213> Glycine max

<400> 7963

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cacgtttcag	ctgaatgaaa	tcttcacgt	cttccccctac	gagtccaaca	caggtccctg	120
cccactacct	ttgttcacat	tcttccctgc	acaccatcac	cgaataaaaat	tgatgttctc	180
gattgatggg	agtgaccctt	ctgggtggat	cttcaagatc	accagtgact	tcgagtacca	240
ttcaacccca	gaggcagaga	gacttaccat	tactgcattc	tacatggatg	gctgtgcgtn	300
ggcttgggtc	caatggatga	acaacaatgg	ccaattcacg	tc		342

<213> Glycine max

<400> 7964

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ttgctgatgg	cttcttcccg	ttccaagctt	caattggagt	cttgctcttt	acagacttag	120
ttggacatct	gttgagtatg	taaacagcag	tgtagactgc	ttcagcccag	aatttgttag	180
gtagtccctt	ctccttgagc	atcgatctag	ctatttccat	aactgtgcga	ttctttctct	240
cggacactct	attntgttga	ggagaatatg	agactgtaag	ttgtcgctca	atgccttcat	300
cctcacaaaa	tcttttaaac	tgcgcgaggg	tgtactttnt	gccgcgatca	cttcttagta	360

cttttatccg ttttccactt tgattntcag caagggcctt gaactntntg aatactccac 420  
agacttctga ttttatttaa aanatatacc atgtcatcta gagaagcatc at 472

<210> 7965  
<211> 400  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7965

gagtcacctg ccgcatgcaa gcttgttga cctcagagtt gtgtcaaagg gcatgagtca 60  
tcatcaaata atacaacaag ctctacaatt gtagcaggag ggattcgaag ctaggtgtag 120  
ctcgaagagg aaaaggaaga aagctgcca ggccaaggat ggtggcaagg gtagcagagg 180  
tagatgattt cattattatt attttttata accaacattg taatgggtga aaacgttacc 240  
gtaacganna atctttattt catttgtgtt aaggggagtt tccaaaaaat attaaaactg 300  
gggaggaaaa aaatatacat tgtatatgtt tataacggaa tcacgattct atcgtaataa 360  
gggggggggg gtgcanaaac agtataataa tgaaattatg 400

<210> 7966  
<211> 414  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations  
<400> 7966

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acttctttga gaagcttgat gcaatccttc ctacgaagg accaatcact agaaccagga 120  
gcaagaggct ccaagaagat tgggctagag ctgctgaaga aggccctagg gttctcatga 180  
aattcagggt agatttctga gcccattgag caaggttgag tccaattatc tntgtacata 240  
ttagactacg atgtcattat atttggctct tatatttagg gttcatatt gtaggtaggg 300  
taccctagaa atataggatt ttttcagccc ttgtatttta nggcacctag actagtntt 360  
gtattaaggg tagtcttgta atttcacatg cactaagtgg atatttgatg tgtg 414

<210> 7967  
<211> 290